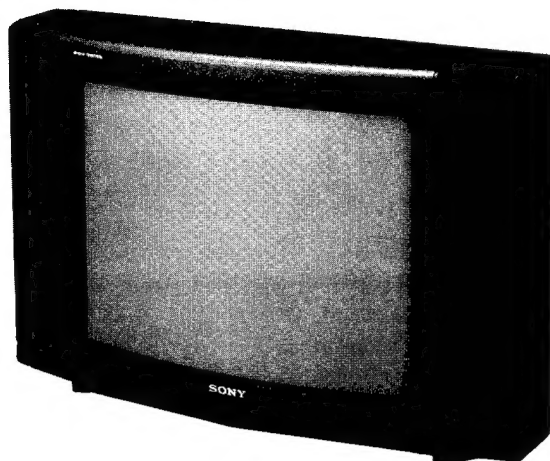


KV-C2721D

RM-670/673

SERVICE MANUAL

AEP Model
Australian Model
 Chassis No. SCC-B14X-A



AE-1 CHASSIS

Note: The service manual for RM-670 and RM-673 has been issued separately.

MODELS OF THE SAME SERIES

KV-C2721D (AEP, AUS)	KV-X2521D
KV-C2911D (AEP)	KV-C25TD (AEP, AUS)
KV-X2121D (AEP)	KV-C27TD (AEP, AUS)

SPECIFICATIONS

Television system	CCIR B, G and H
Color system	PAL SECAM/NTSC (VIDEO IN)
Stereo system	German two carrier system
Channel coverage	VHF channels E2-E12 UHF channels E21-E69 HYPER BAND S21-S41
Picture tube	Trinitron tube 114° degree deflection Approx. 68cm (27 inches) (Approx. 64cm picture measured diagonally)
Sound output	10W+10W (music power)
Inputs	21-pin connector: CENELEC standard
Outputs	Headphones jack: stereo minijack External speaker terminals: 2-pin DIN
Power consumption	115Wh
Dimensions	Approx. 810×530×480mm (w/h/d)
Weight	Approx. 43kg
Supplied accessories	RM-670 Remote Commander (1) (FOR PORTUGUESE) RM-673 Remote Commander (1) (EXCEPT PORTUGUESE) IEC designation R6 batteries (2)

Design and specifications are subject to change without notice.




TRINITRON® COLOR TV
SONY®

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SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK
 ON THE SCHEMATIC DIAGRAMS, EXPLODED
 VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
 SAFE OPERATION. REPLACE THESE COMPONENTS
 WITH SONY PARTS WHOSE PART NUMBERS APPEAR
 AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
 PUBLISHED BY SONY.

SECTION 1 GENERAL

Note) The layout, etc., will be slightly different from the operating instructions packed with the units.

1-1. FIRST OF ALL

- 1 Connect the aerial to the **TF** socket on the rear of the set.
This socket receives the standard 75-ohm aerial plug.
- 2 Plug in the set.
- 3 Tune in the available channels.

Use the buttons inside the front panel. To open the panel, press the center.

To tune in all channels automatically :

- 1 Press \rightarrow (Preset)
- 2 Press **PROGR** to select the program position from which tuning is to start.
- 3 Press \rightarrow (Auto programing).

The channels will be tuned in and memorized in consecutive positions, beginning from the program position selected in step 2.

When tuning has been completed, the set returns to the position where tuning began.

To tune in a channel in any desired program position.

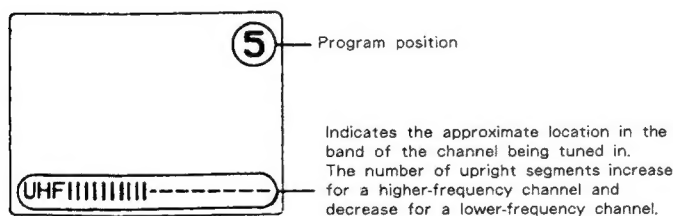
(e. g. the position with the same number as the channel) :

- 1 Press \rightarrow (Preset).
- 2 Press **PROGR** to select the desired program position.
- 3 Press **C** (Clear).
- 4 Press \boxplus (Search) repeatedly until the desired channel appears.
- 5 Repeat steps 2 to 4 for all channels, if required.
- 6 Press \rightarrow (Preset) again.

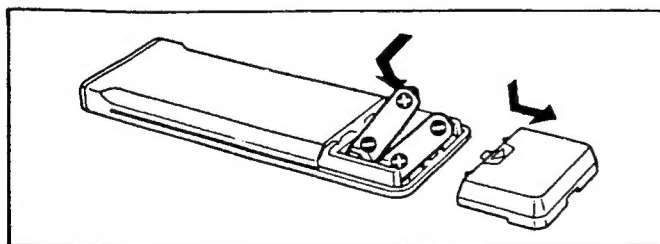
To have the unused program positions skipped when **PROGR+** or **PROGR-** is pressed :

- 1 Press \rightarrow (Preset).
- 2 Press **PROGR** to select the unused position.
- 3 Press **C** (Clear).
- 4 Repeat steps 2 and 3 for all unused position.
- 5 Press \rightarrow (Preset) again.

On-screen display while tuning

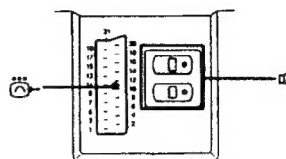


- 4 Insert two R6 batteries checking the correct polarity.



1-2. CONNECTING OTHER EQUIPMENT

connectors on rear set



L/G/S	Left external speaker terminal (2-pin DIN)	Connect to external speakers. The TV speakers will be disconnected. Speakers 8-16 Ω .
R/D/D	Right external speaker terminal (2-pin DIN)	
	21-pin connector (CENELEC standard)	Connect to a VTR micro computer, etc. using an optional connection cord. The picture of the TV channel being received is always output.

VTR operation using the supplied Commander

Remote operation of the VTR (8mm only) is limited to the features and functions of the VTR.

For further details, refer to the VTR manual.

When watching a video with the VTR connected to the connector, set the channel for the video to the program number 0 or any empty channel between 20 and 29.

Note

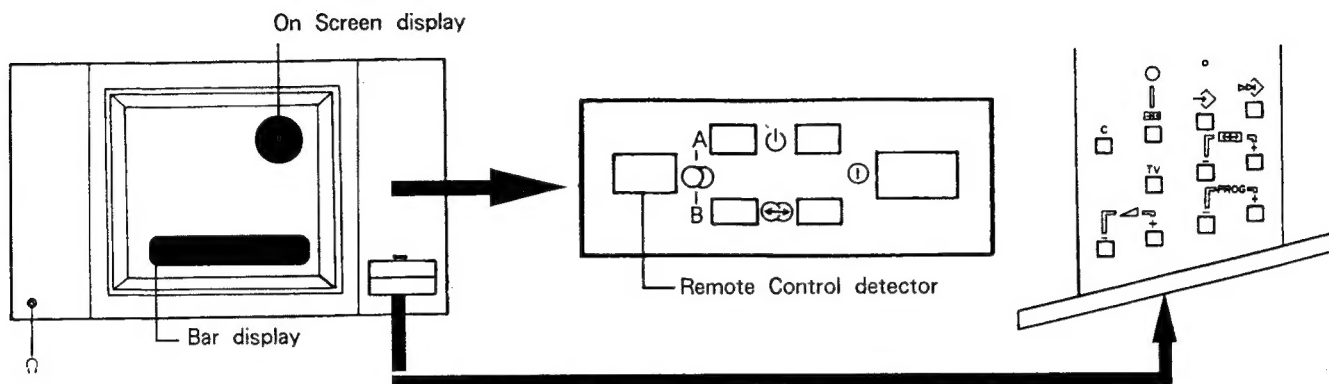
Move the VTR away from the TV, if the picture or sound is distorted.

21 Pin Connector

Pin No	Signal	Signal level
1	Audio output B (right)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
2	Audio input B (right)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
3	Audio output A (left)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
4	Ground (audio)	
5	Ground	
6	Audio input A (left)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
7	Blue input	0.7 V \pm 2 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5–12 V) : Part mode Low state (0–2 V) : TV mode Input impedance : More than 10 k ohms Input capacitance : Less than 2 μ F
9	Ground (green)	
10	Open	
11	Green/Green with sync input	Green signal : 0.7 V \pm 2 dB, 75 ohms, positive Green with sync signal : 1 V \pm 2 dB, 75 ohms, positive
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input (Ys signal)	High state (1–3 V) Low state (0–0.4 V) Input impedance : 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V \pm 2 dB, 75 ohms, positive Sync : 0.3 V (–3, \pm 10 dB)
20	Video input	1 V \pm 2 dB, 75 ohms, positive Sync : 0.3 V (–3, \pm 10 dB)
21	Common ground (plug, shield)	

* at 20 Hz–20 kHz

1-3. FUNCTION OF CONTROLS



On the set

On-screen display

Indicates program numbers and input modes.

Bar display

Indicates the level of volume, color, brightness, contrast, bass, treble and balance.

Note on function.

When the volume is at the minimum setting the balance function will not operate.

 Power switch

To cut off the mains power completely, press this switch. Depress the power switch fully to ensure correct operation of the set.

Note

To ensure correct operation, push the switch in fully.

 standby indicator

Lights up brightly when the set is in the standby mode.

Note

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

 space sound indicator

Lights up when on the Remote Commander is pressed.

A/B indicators

One of them lights during bilingual broadcast. (Choose A or B with the Remote Commander.)

Both light during stereo broadcast. In AV mode, A lights for left channel, B for right channel, or A and B for both channels.

Remote control detector

Point the Remote Commander towards this detector.

Inside the panel

headphones jack (stereo minijack)

 SEARCH buttons

Press to tune finely a weak channel manually, if required. When pressed, the indicator (AFT) goes off and the AFT circuit does not function on the selected channel.

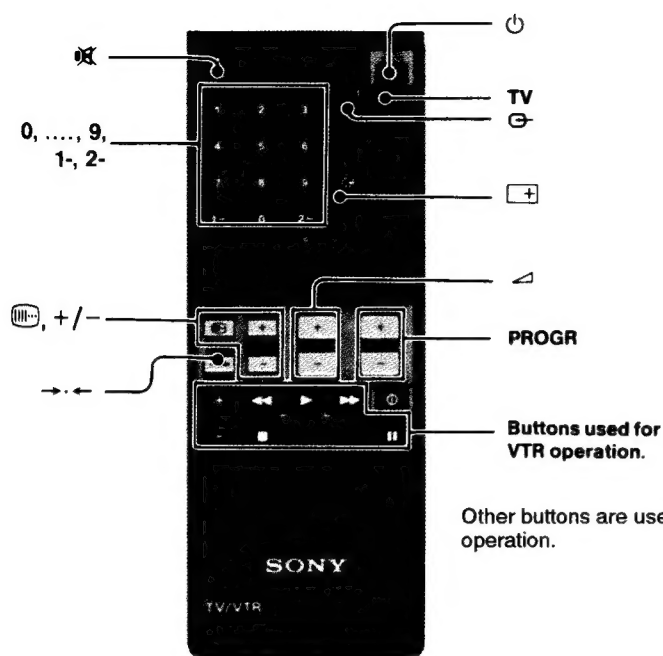
To restore the AFT circuit on this channel, press (AFT) so that the indicator lights up.

 AFT button and indicator

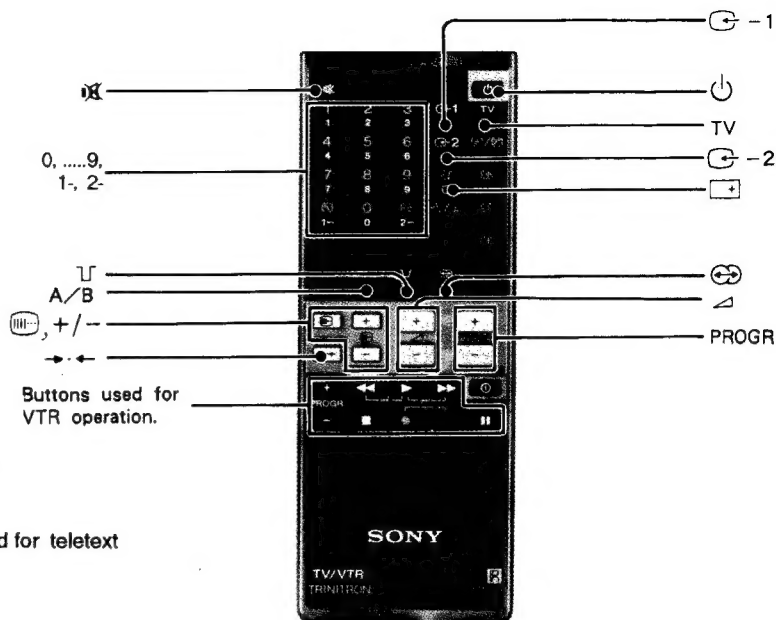
Normally, press so that the indicator lights up. The AFT circuit automatically tunes finely the channels for the best possible picture.

volume buttons

PROG+, PROG- program scan buttons



RM-670
FOR PORTUGUESE



RM-673
EXCEPT PORTUGUESE

On the Remote Commander

To operate the Commander, point it toward the remote control detector.

Mute button

0, ..., 9, 1-, 2- buttons

To tune into:
program 15, press 1- and 5
program 25, press 2- and 5

A/B button

Press to select the language in a bilingual broadcast, or to select the channel in AV mode.

Analog select buttons

Press

will appear on the screen. Adjust by pressing + or -. Press again and adjust (color), then (brightness), (bass), (treble) and (balance).

Reset button

Press to reset color and contrast and brightness to factory-set levels.

Standby button

Press to change to the standby mode. Use this button to turn off the set for short periods of time. To turn on the set, press TV or the program number; there will be a slight delay before the picture is restored.

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

TV button

Press to change to the TV mode from the standby or input modes.

Input button

Press to view the input picture coming in through the connector.

"G" lights up on the screen.

Press TV or the program number to return to the TV mode.

Loudness button

Press to emphasize high and low notes.

On-screen display button

Press to make the display appear on the screen. Press again to make them disappear.

Space sound button

Press to obtain special acoustic effects.

Volume buttons

PROGR program scan buttons

Note

Buttons not referred to on this page or next page do not operate.

1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. The buttons for teletext operation are indicated in green.

Operation

- 1 Select the TV channel for the desired teletext service.
- 2 Press (TEXT/MIX) to display the teletext service.
Once has been pressed, the TV channel cannot be changed.
- 3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the remote commander.

The teletext service can be displayed directly from the standby mode, by pressing .

To receive the teletext service of a different TV channel.

- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press .

Note

To receive the teletext service accurately, keep inside the panel switched on during teletext operation.

To display the index page.

Press (INDEX).

If the necessary signal is not being broadcast, page 100 is displayed.

To rapidly access the next or preceding page
press (PAGE+) or (PAGE-).

To superimpose the teletext display on the TV picture.

Press twice from TV mode.

Press again to return to the TEXT display.

To suppress the teletext display so that the TV picture is displayed.

Press (TEXT CL).

This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page (subpage) from being updated / changed.

Press HOLD. The HOLD symbol appears at the top of the screen.



To resume normal teletext reception, press TEXT/MIX.

To enlarge the teletext display.

Press .

Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display; press again to return to the normal display.

To reveal concealed information such as the answers to a quiz

Press (REVEAL)

Press again to conceal the answers.

To adjust the contrast of the teletext display.

When in teletext mode, adjust by using the + or - keys adjacent to the key.

To watch the TV program while waiting for a requested page to be displayed.

1 Request new page.

2 Press to watch the TV program.

The requested page number appears at the top left of the screen.

When the requested page has been captured, the page number is displayed in the top left hand corner of the screen.



To view this page, press .

To have a requested page displayed at a predetermined time.

1 Request a time coded page (e. g. alarm page).

2 Press (TP ON).

"T****" will appear at the bottom of the screen.



3 Enter your request time with the number buttons, using four digits. For example, 07:30.



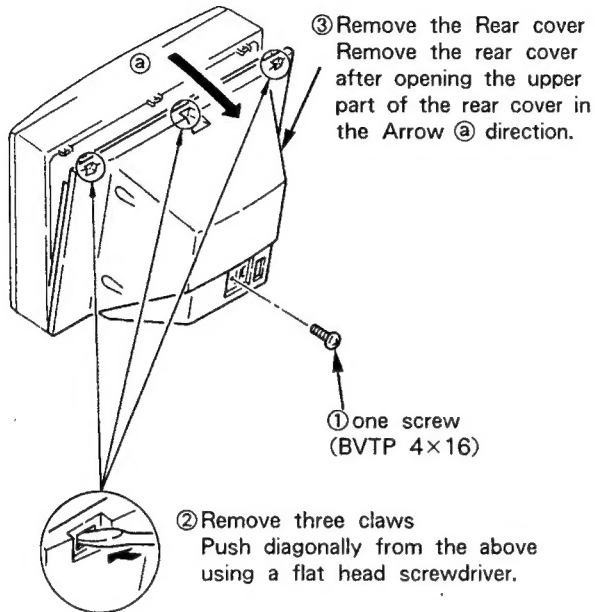
To watch the TV program until the requested time, press . At the requested time, the page number will be displayed at the bottom of the screen.

To view this page, press .

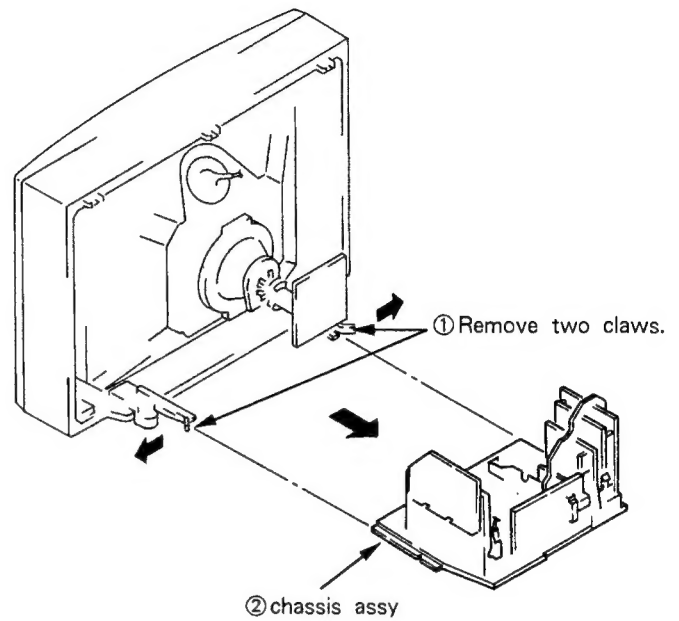
To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF).

SECTION 2 DISASSEMBLY

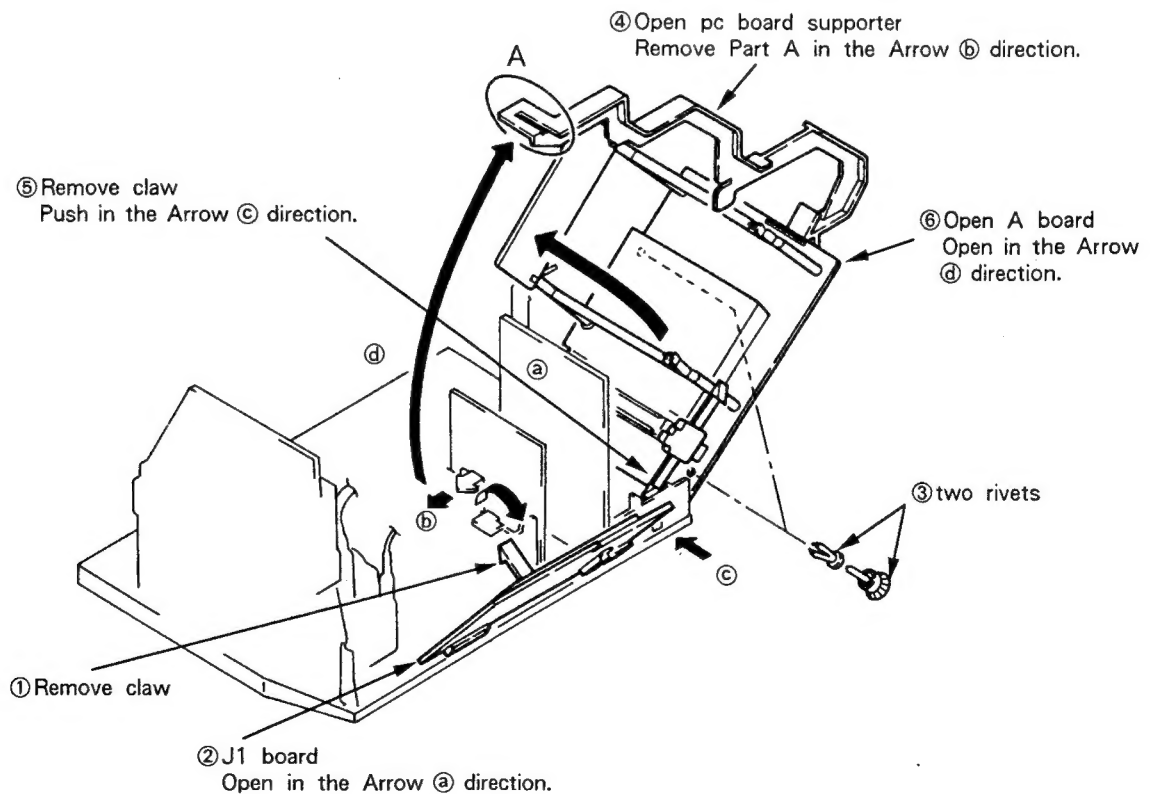
2-1. REAR COVER REMOVAL



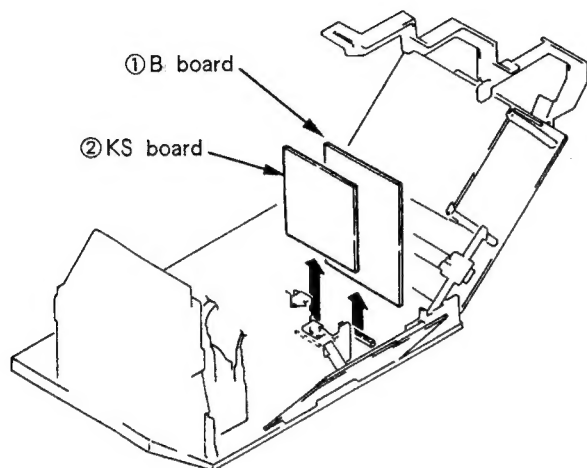
2-2. CHASSIS ASSY REMOVAL



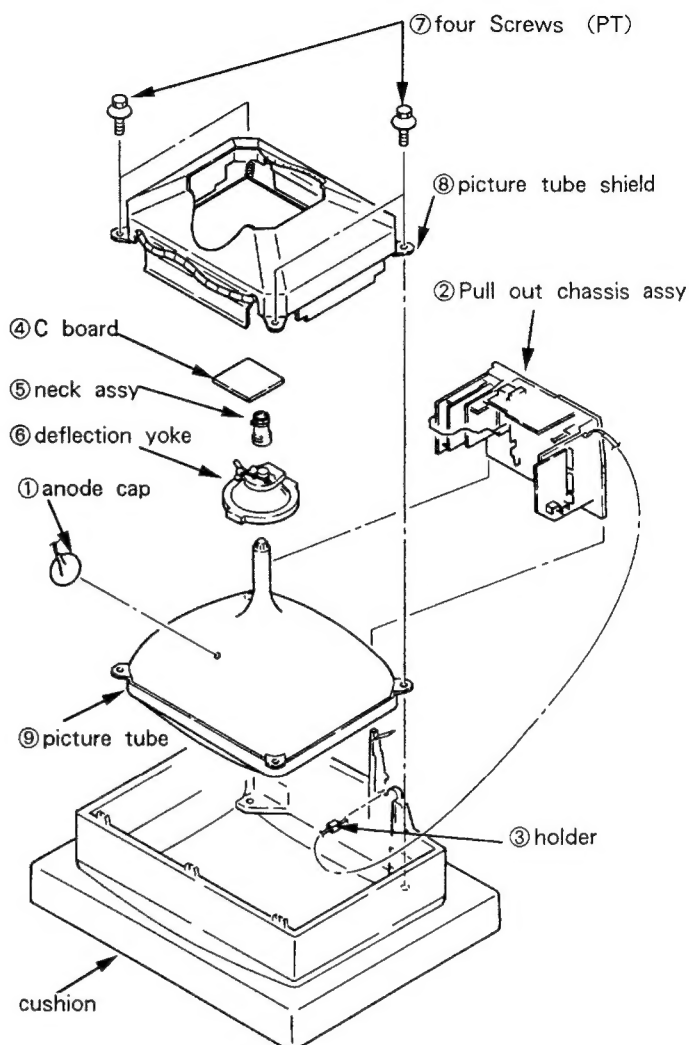
2-3. J₁, A AND V BOARDS REMOVAL



2-4. KS AND B BOARDS REMOVAL



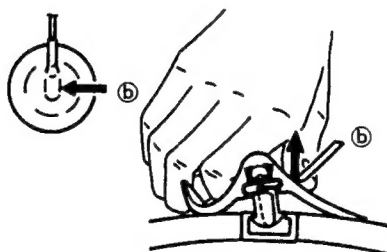
2-5. PICTURE TUBE REMOVAL



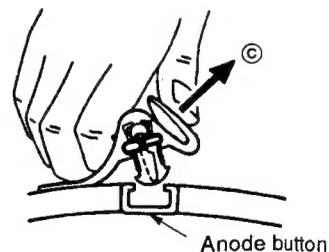
• REMOVAL OF ANODE-CAP • REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ①.



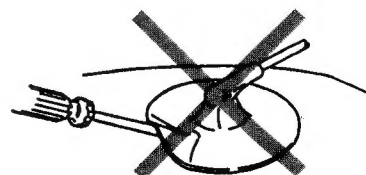
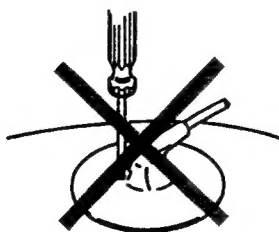
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.



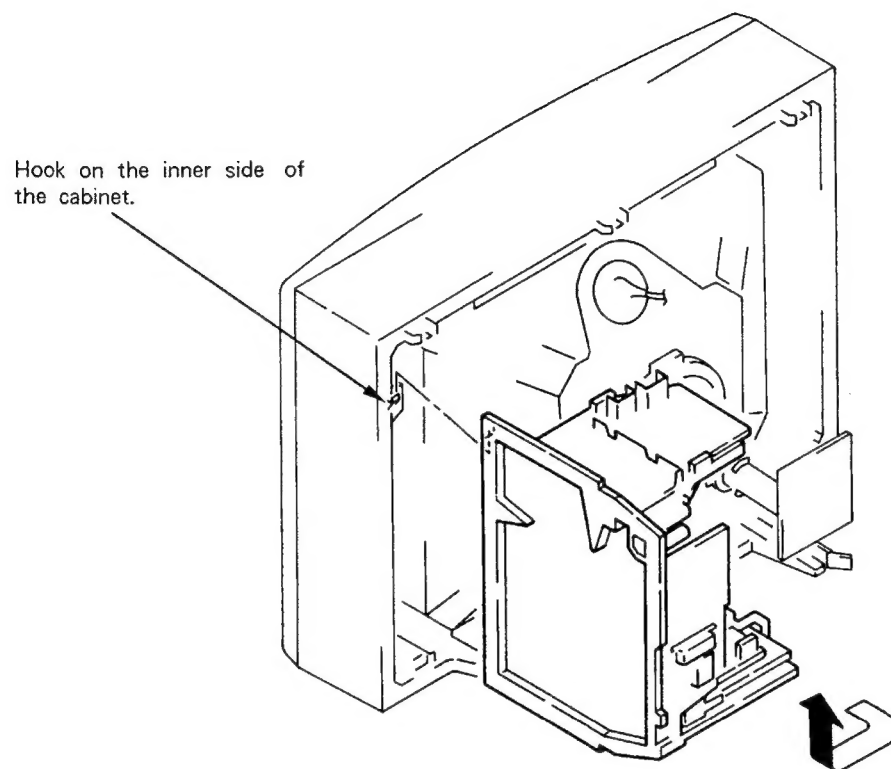
③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shutter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly !
The shutter-hook terminal will stick out or hurt the rubber.



2-6. SERVICE POSITION



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

⦿ CONTRAST control 80% (or Normal by Commander)

⊗ BRIGHTNESS control 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
 CONTRAST } normal
 BRIGHTNESS }
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1 to 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-1)
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

Fig.3-1

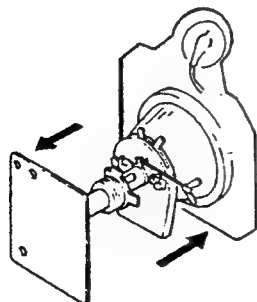


Fig.3-2

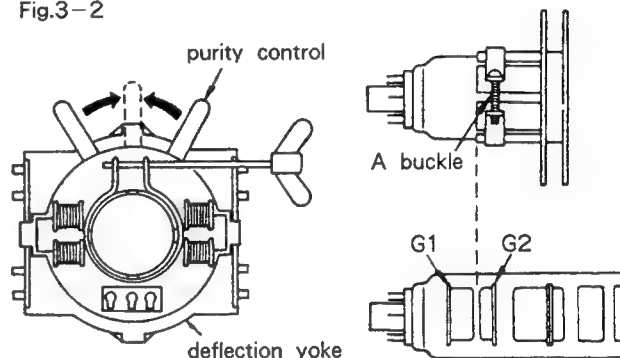


Fig.3-3

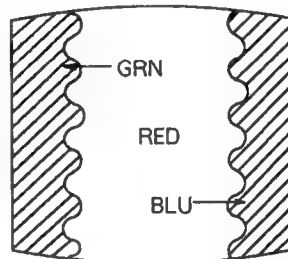
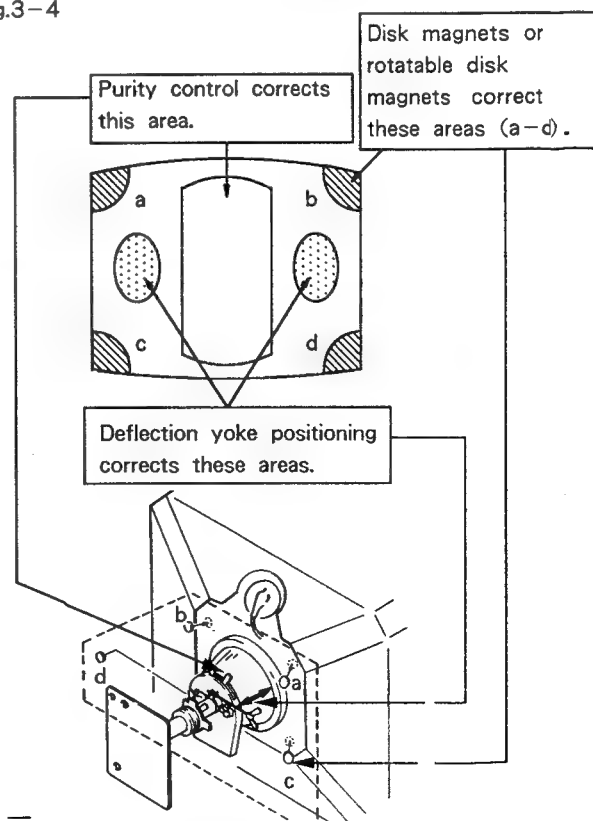


Fig.3-4

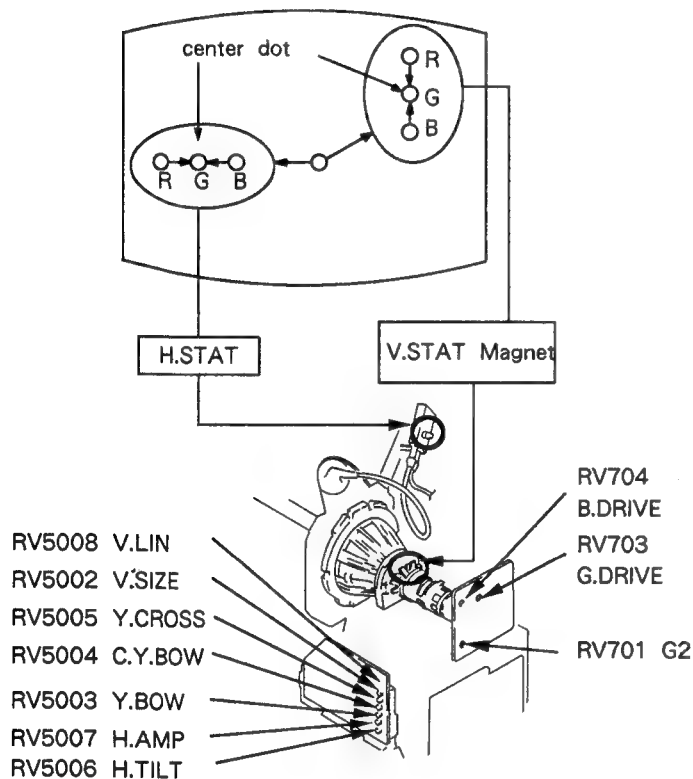


3-2. CONVERGENCE

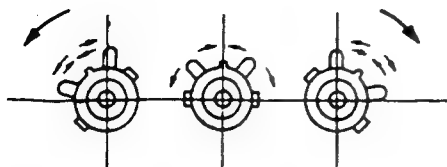
Preparation :

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

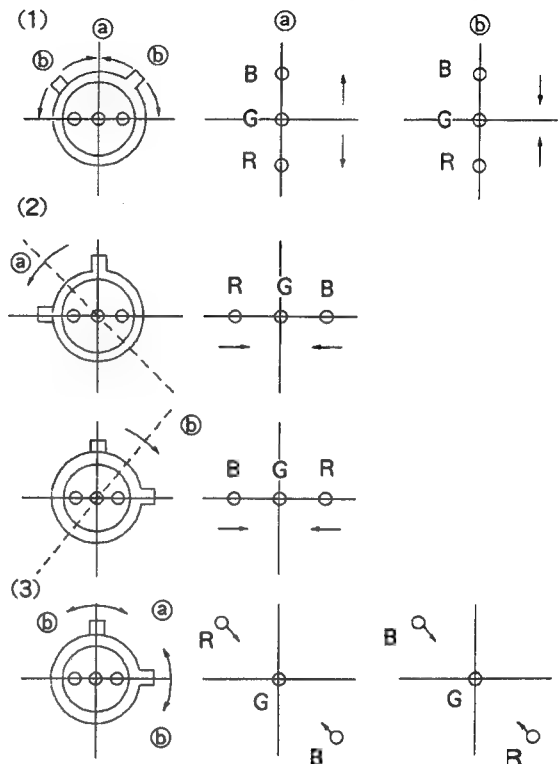
(1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen.(Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen.(Vertical movement)
 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.

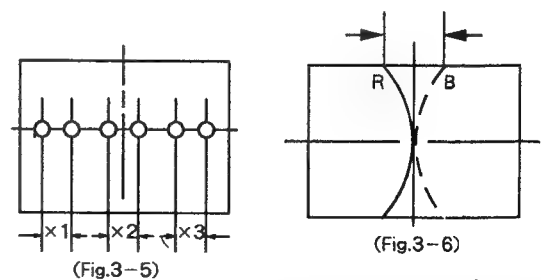


4. When the V. STAT magnet is moved in the direction of arrow ① and ②, red, green and blue dots move as shown below.

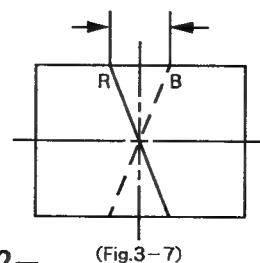


(2) Adjustment of Dynamic Convergence

1. Adjust H TILT (RV-5006) so that X₁, X₂, and X₃, are equal.
2. Adjust H AMP (RV-5007) so that X₂, and X₃, are equal.
3. Adjust H STATIC so that the dots are overlapped.
4. If dynamic convergence is not sufficiently adjusted after performing the above steps, repeat Steps 1 through 3 (Fig.3-5)



Adjust Y. BOW (RV-5003) to correct the arrow-shaped misconvergence along the y axis. (Fig.3-6)



Adjust Y. CROSS (RV-5005) to correct the cross misconvergence along the y axis.(Fig.3-7)

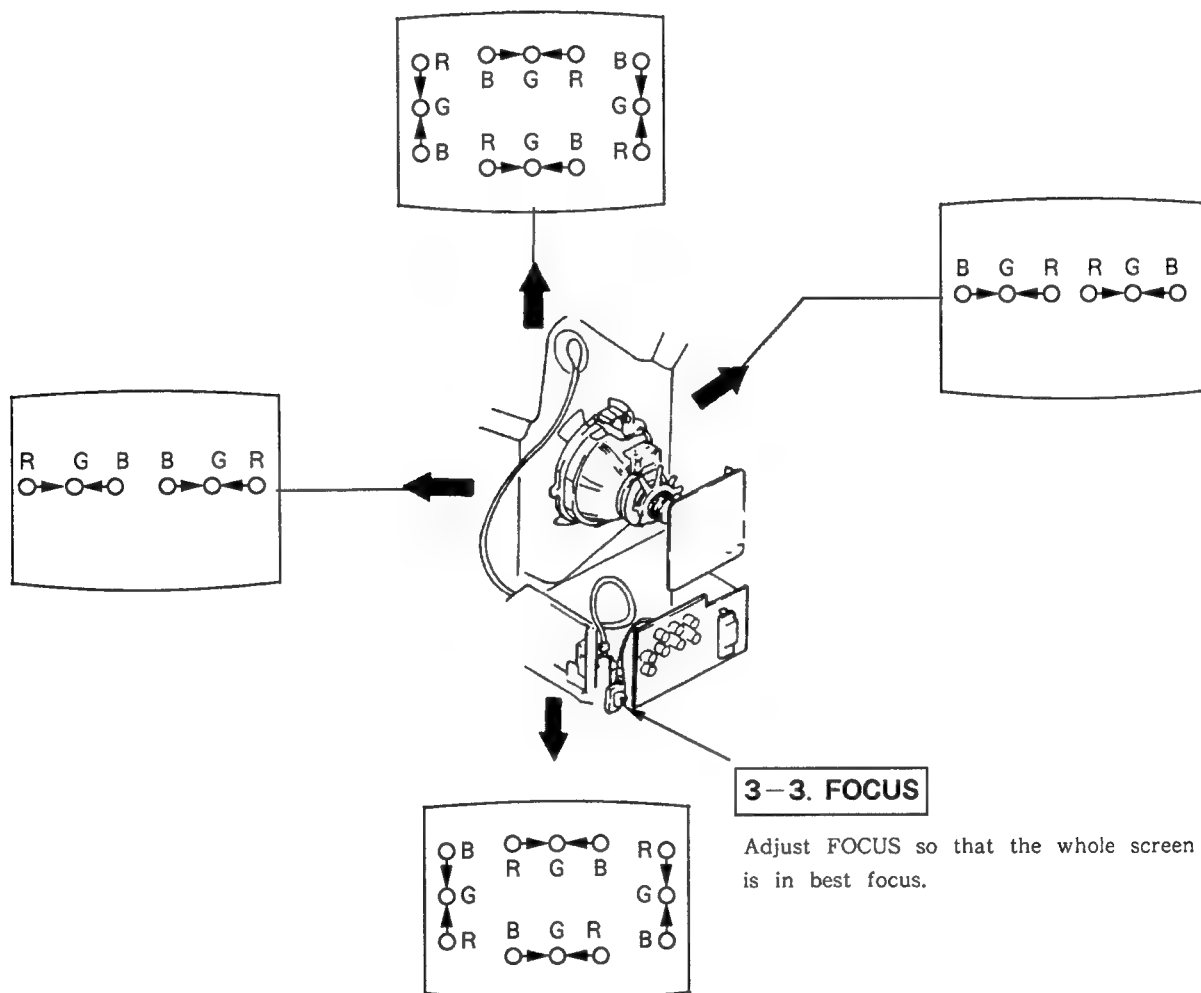
(3) Dynamic Convergence Adjustment

Preparation :

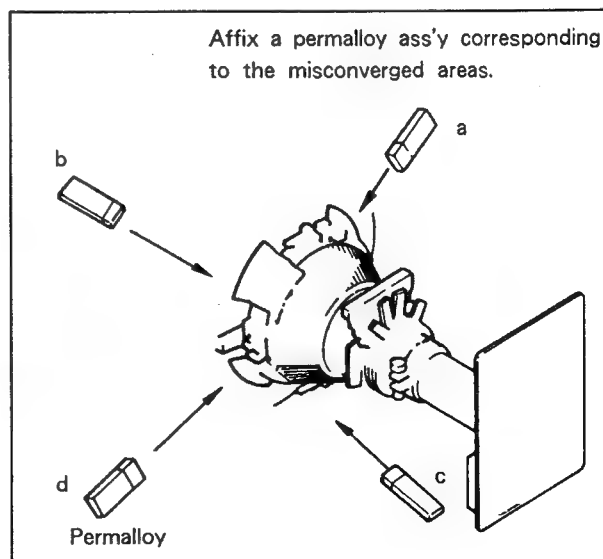
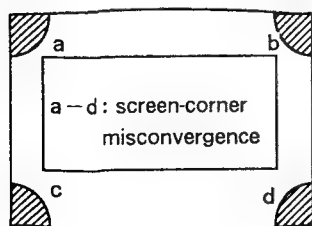
● Before starting, perform Horizontal and Vertical Static Convergence Adjustment..

1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.

3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



(4) Screen-corner Convergence



3-4. WHITE BALANCE

[Screen (G2) Setting]

1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

[White Balance Adjustment]

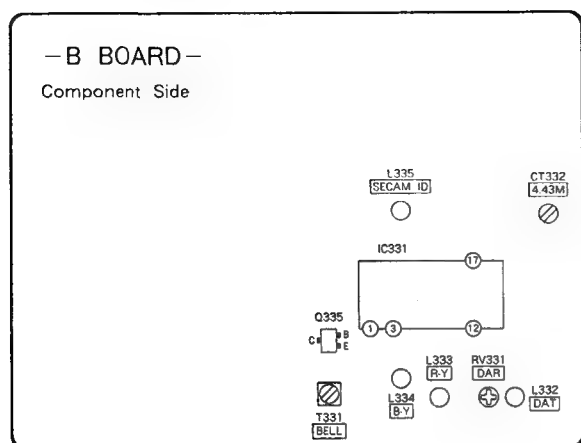
1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4

CIRCUIT ADJUSTMENTS

4-1. B BOARD ADJUSTMENTS

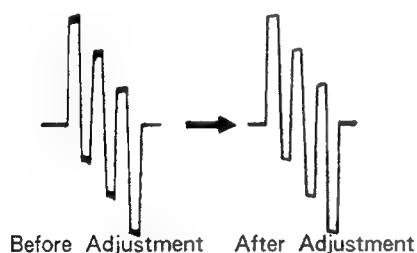


REF OSC Adjustment (CT332)

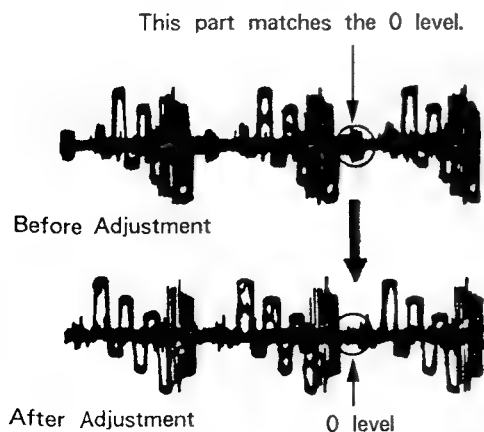
1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑪ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.



4. Input a PAL TEST COLOR BAR pattern.
5. Rotate the RV331 VR and adjust till the ANT PAL part of the waveform matches the 0 level.



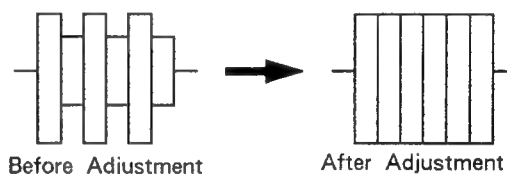
6. L332 and RV331 affect each other, so repeat till the conditions of both are met.

SECAM ID Adjustment (L335)

1. Input SECAM COLOR BAR signal.
2. Connect a Digital Multimeter at pin ⑫ of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

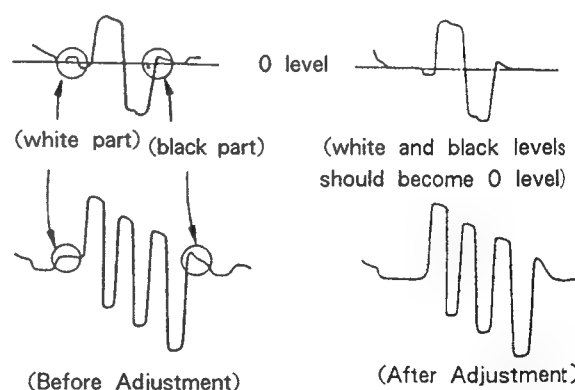
BELL FILTER Adjustment (T331)

1. Input SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the emitter of Q335.
3. Adjust T331 so that the waveform becomes flat.

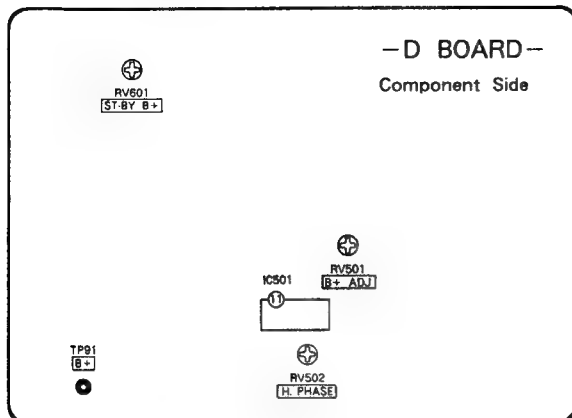


SECAM DISCRI Adjustment (L333, L334)

1. Input SECAM COLOR BAR pattern.
2. Connect an oscilloscope at pin ① of IC331.
3. Adjust L333 so that white and black part of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope at pin ③ of IC331.
5. Adjust L334 so that white and black part of the waveform of pin ③ becomes 0 level.



4-2. D BOARD ADJUSTMENTS



+B Adjustment (RV501)

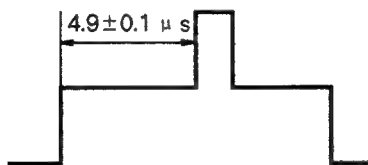
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ± 0.2 V.

ST-BY +B Adjustment (RV601)

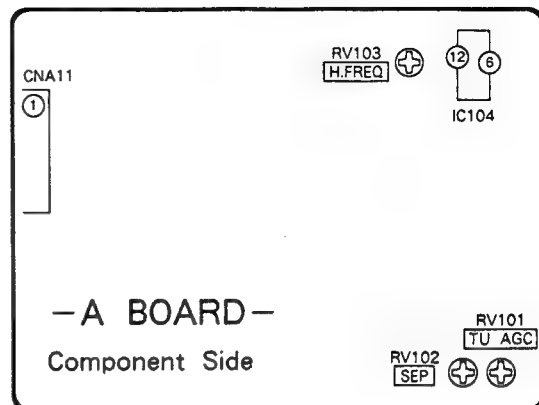
1. Set up \odot standby (Remote Commander) mode.
2. Connect the digital multimeter to TP91.
3. Adjust RV601 so that the voltage becomes 135 ± 3 V.
4. Release the \odot standby (Remote Commander) mode.

H. PHASE Adjustment (RV502)

1. Input the PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to $4.9 \pm 0.1 \mu s$.



4-3. A BOARD ADJUSTMENTS



TUNER AGC Adjustment (RV101)

1. Tune in an off-air signal.
2. Adjust RV101 so that snow noise and cross-modulation just disappear from the picture.

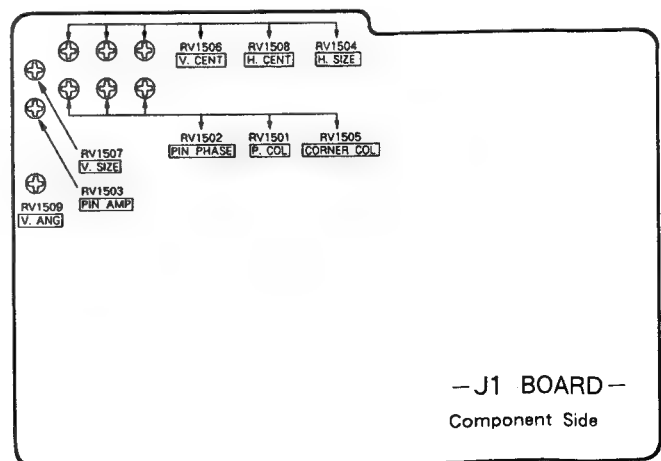
STEREO SEPARATION Adjustment (RV102)

1. Input stereo signal (L-CH 1kHz, R-CH 400Hz).
2. Check the stereo indicator.
3. Connect an oscilloscope to the pin ① (L) of CNA11 through band pass filter of 1kHz.
4. Adjust RV102 so that 1kHz voltage goes down to the minimum.

H. FREQ. Adjustment (RV103)

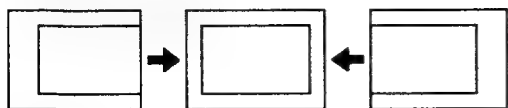
1. Input PAL COLOR pattern.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to the pin ⑥ of IC104 through a probe of 10:1.
4. Adjust RV103 so that H. frequency becomes $15,625 \pm 50$ Hz.

4-4. J1 BOARD ADJUSTMENTS



—J1 BOARD—
Component Side

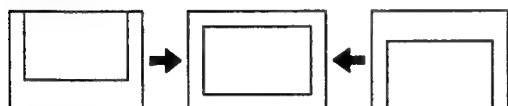
RV1508
H. CENT (HORIZONTAL CENTER)



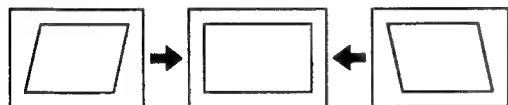
RV1504
H. SIZE (HORIZONTAL SIZE)



RV1506
V. CENT (VERTICAL CENTER)



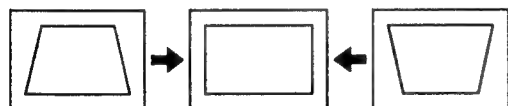
RV1509
V. ANGLE (VERTICAL ANGLE)



RV1503
PIN AMP (PINCUSHION AMPLIFIER)



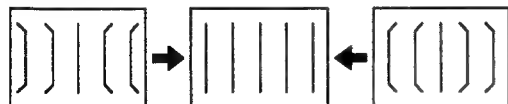
RV1502
PIN PHASE (PINCUSHION PHASE)



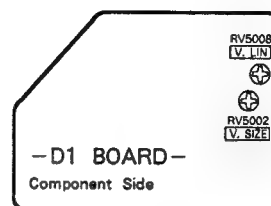
RV1501
PIN COR (PINCUSHION CORRECT)



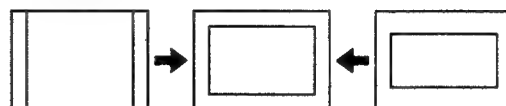
RV1505
CORNER COR (CORNER CORRECT)



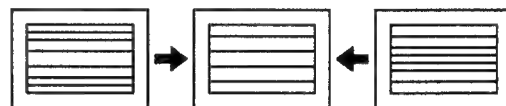
4-5. D1 BOARD ADJUSTMENTS



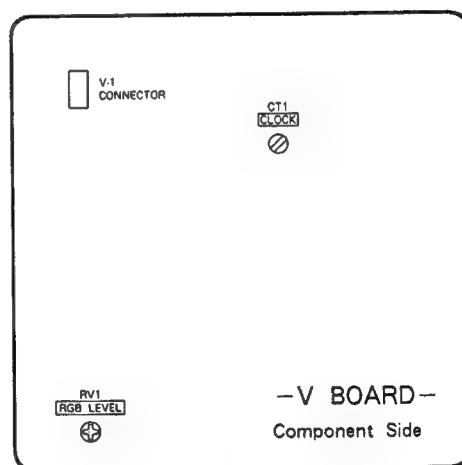
RV5002
V. SIZE (VERTICAL SIZE)



RV5008
V. LIN (VERTICAL LINEARITY)



4-6. V BOARD ADJUSTMENTS



Clock Adjustment (CT01)

1. Disconnect the V-1 connector.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop pictures from scrolling.

RGB Level Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.65V.

4-7. SUB ADJUSTMENTS

SUB BRIGHTNESS Adjustment

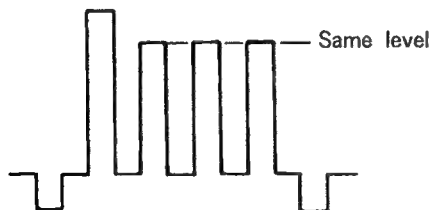
1. Receive and display a TEST COLOR BAR pattern.
2. Push → • ← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Reduce the ● CONTRAST to the minimum level.
6. Adjust the ☼ BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.
7. Push the AFT button. (SUB mode is cleared)

Where no TEST COLOR BAR pattern is available.

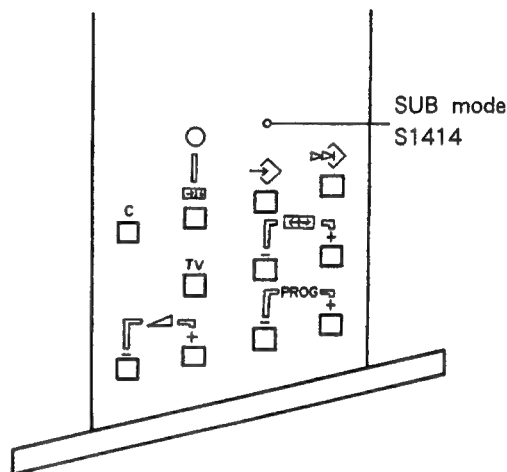
1. Display a COLOR BAR pattern.
 2. Push → • ← on the remote commander to invoke the normal state.
Set the ● COLOR to normal mode.
Steps 3-5 are the same as above.
 6. 20 IRE is close to blue, so adjust the ☼ BRIGHTNESS control till blue is faintly luminous.
 7. Same as Step 7 above.
 8. Push → • ← on the remote commander to invoke the normal state.
- * When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

SUB COLOR Adjustment

1. Display a COLOR BAR pattern.
2. Push → • ← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Adjust the COLOR control until the B out (pin ② of CNC72 connector on C board) waveform becomes as shown below.
6. Push the AFT button. (SUB mode is cleared.)

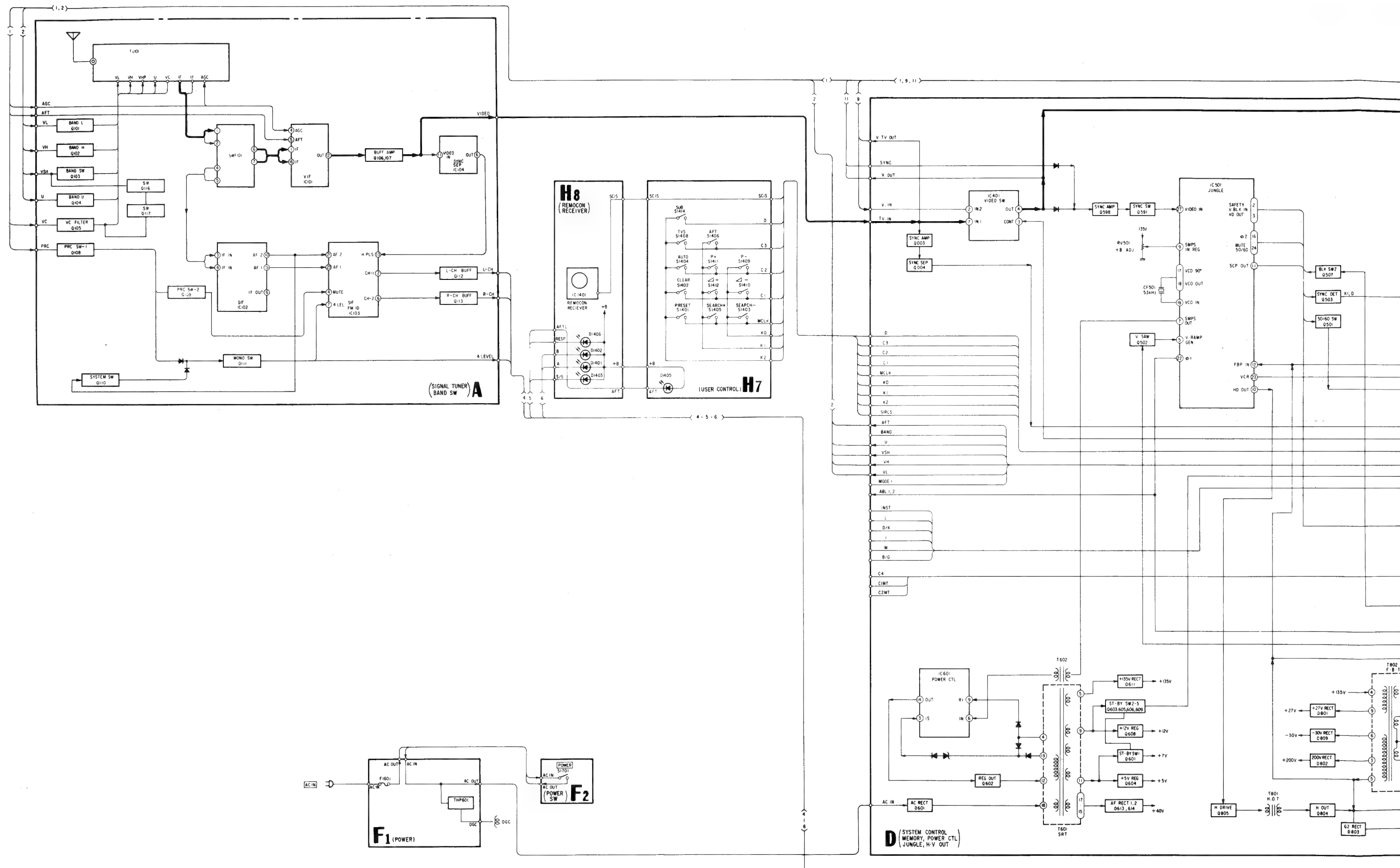


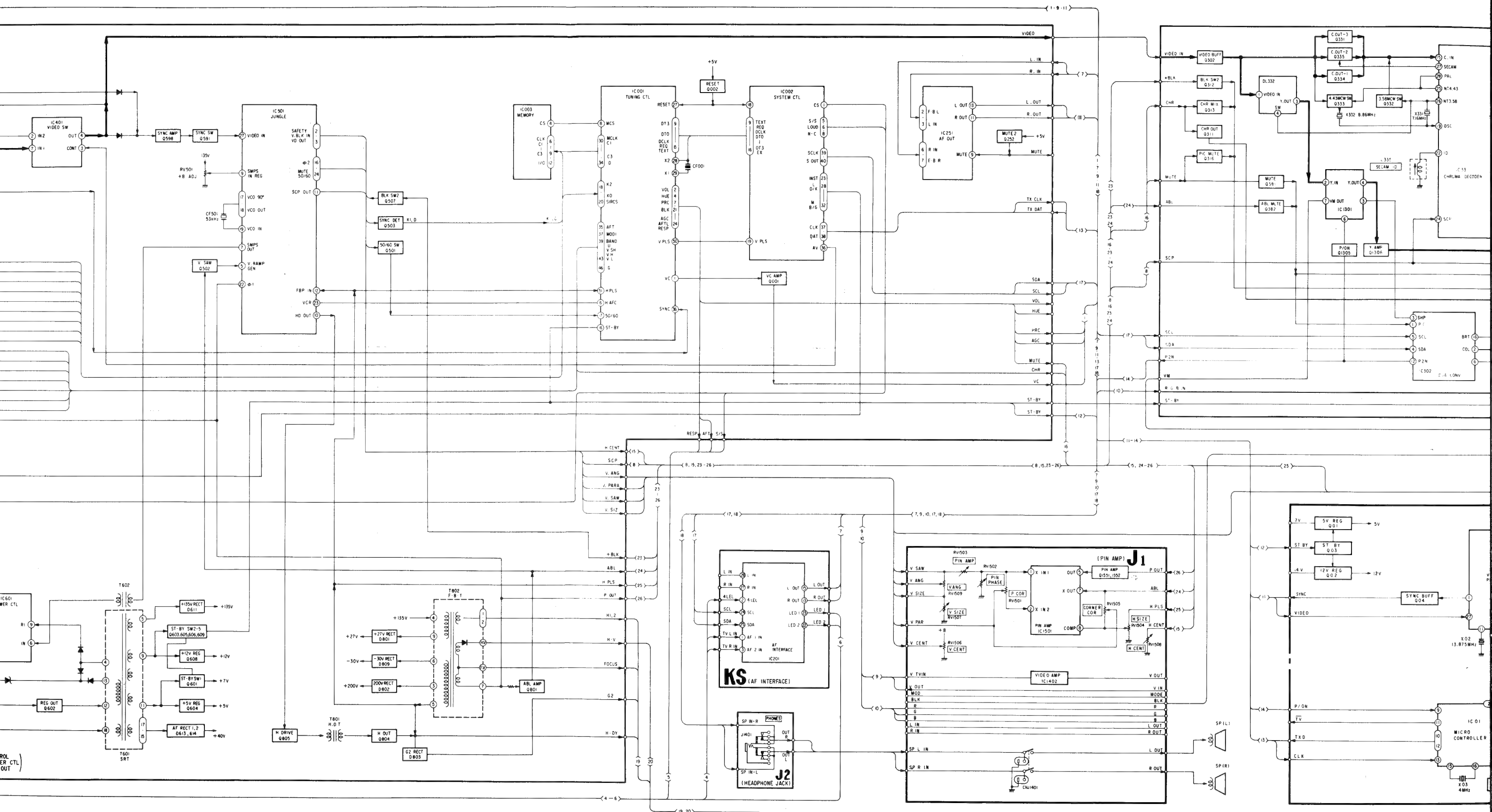
- * When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S (SUB mode) is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

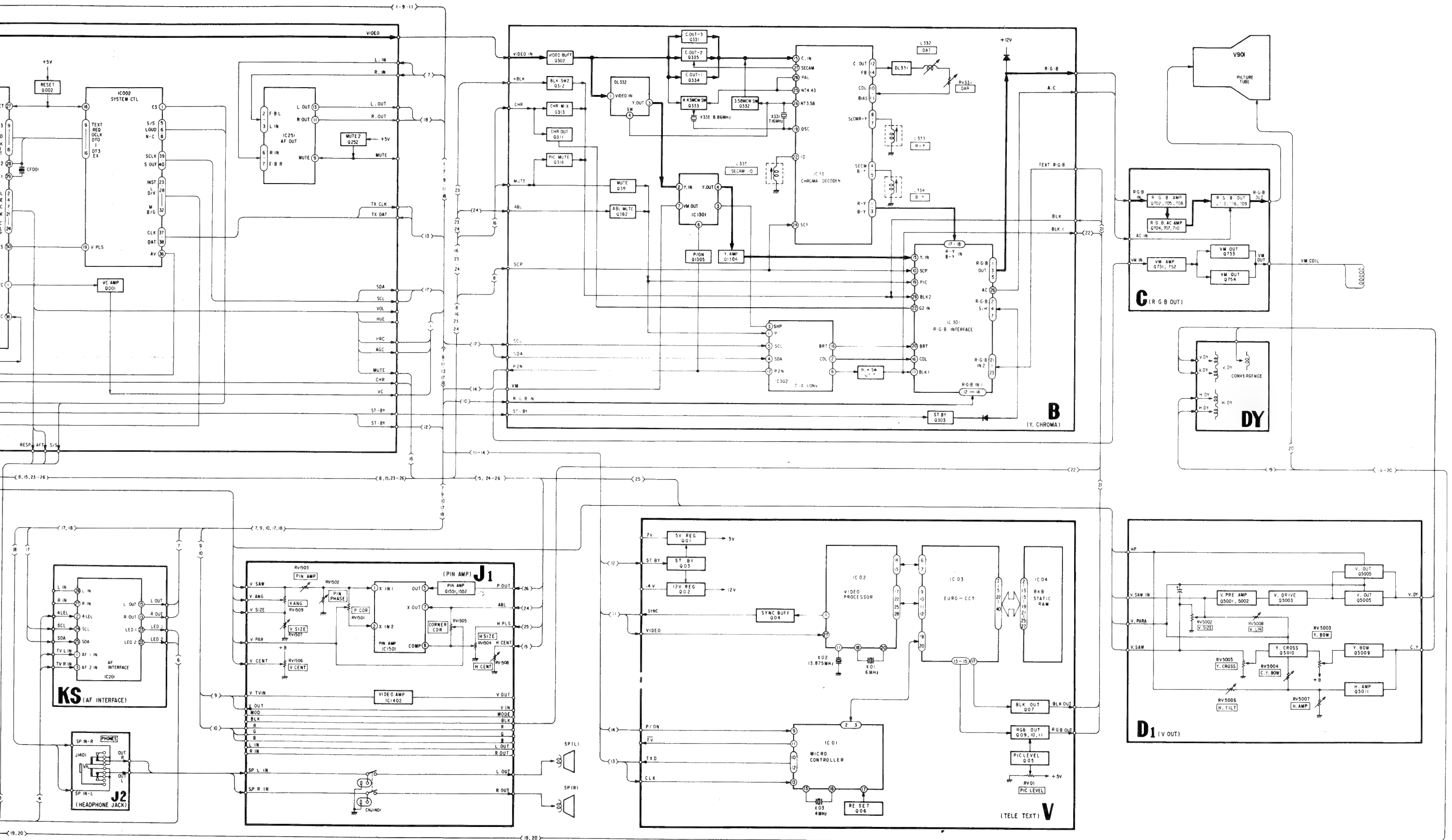


SECTION 5
DIAGRAMS

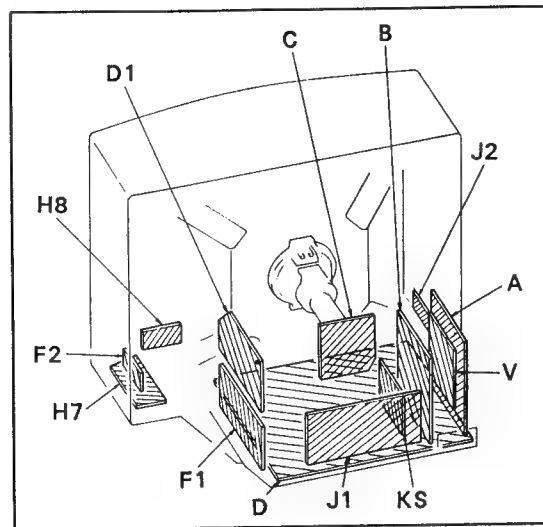
5-1. BLOCK DIAGRAM







5-2. CIRCUIT BOARDS LOCATION



Note :

- All capacitors are in μF unless otherwise noted.
 μF : μF 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

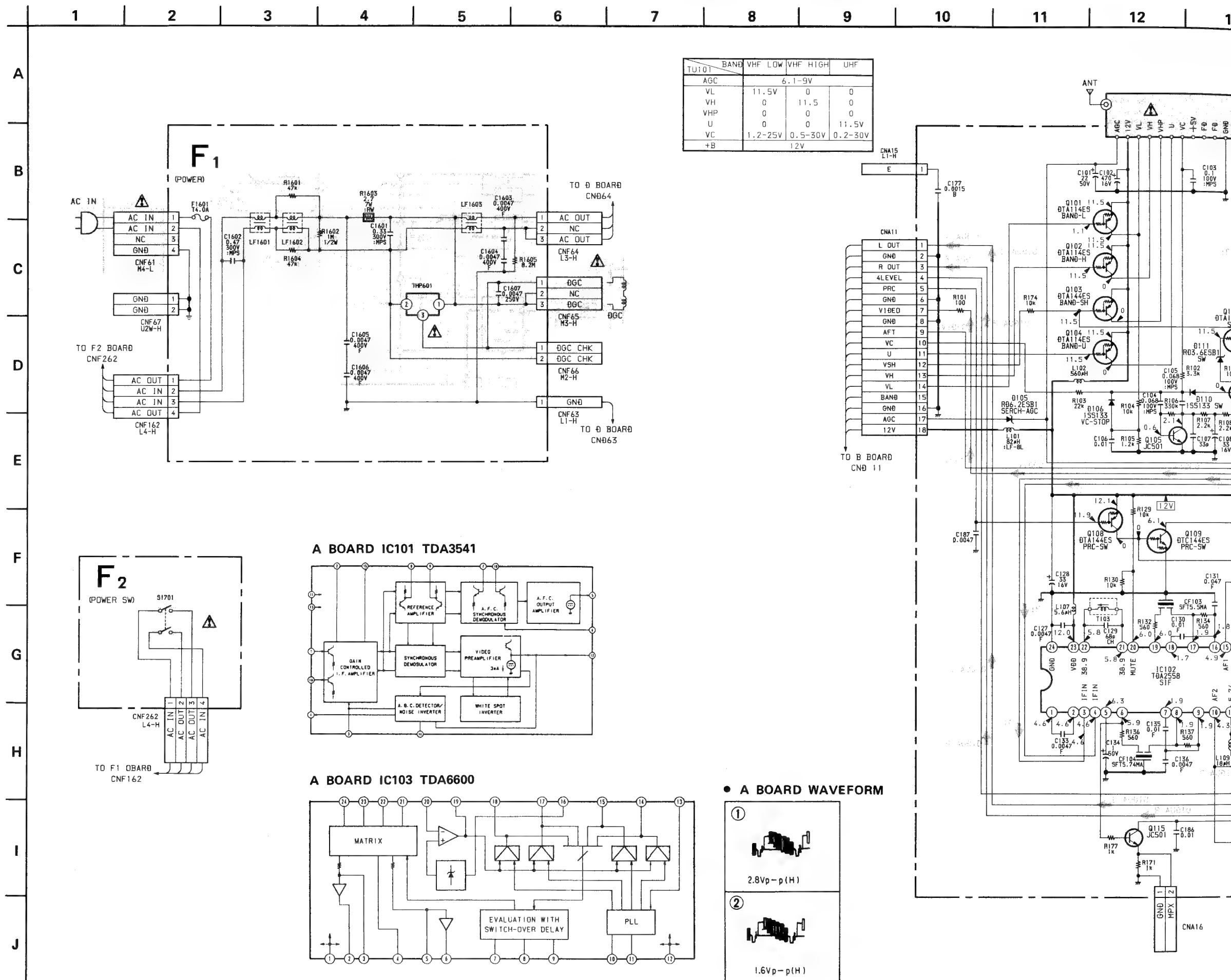
Pitch : 5 mm
Rating electrical power 1/4W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10 M Ω digital multimeter.
- Readings are taken with a PAL color-bar signal input.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerance.
- : B+ bus.
- : B- bus.
- : signal path.

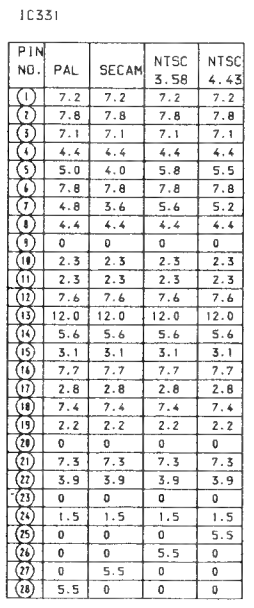
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
COIL	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
CAPACITOR	: LF-8L	MICRO INDUCTOR
	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

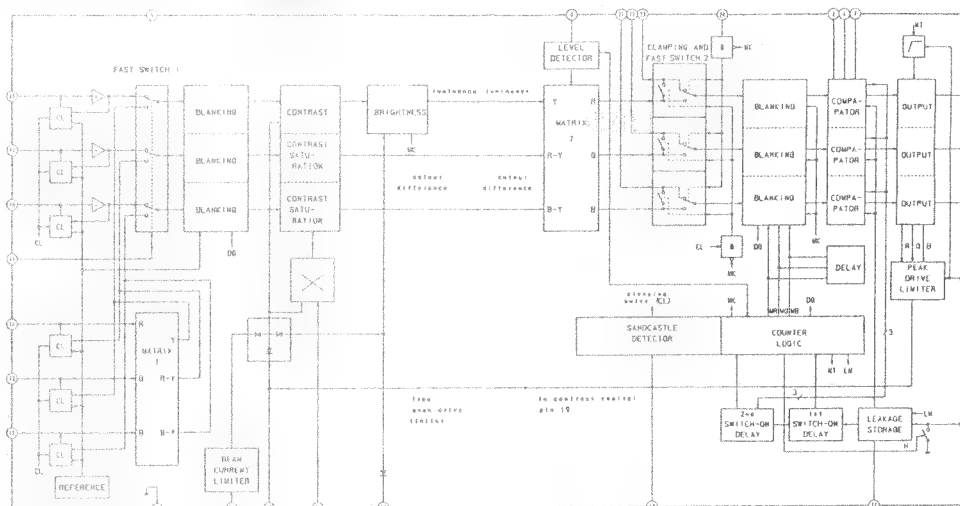
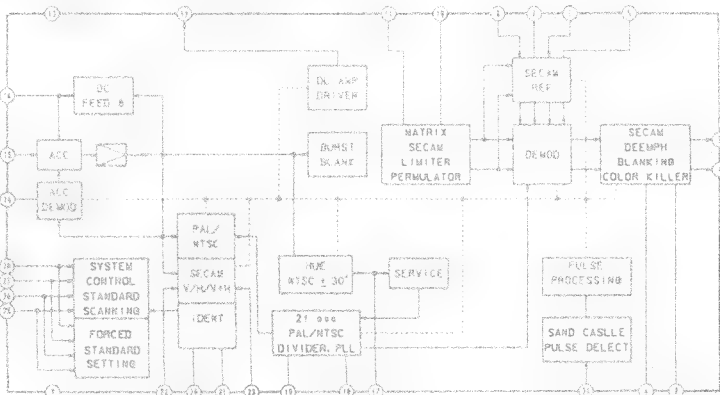


6.1-9V	
0	0
11.5	0
0	0
0	11.5V
0.5-30V	0.2-30V

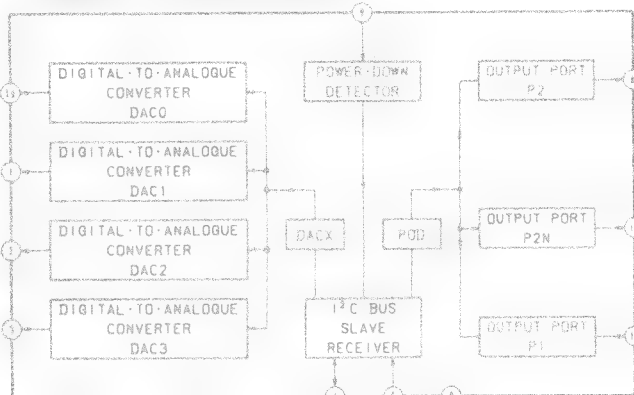


B BOARD IC331 TDA4555

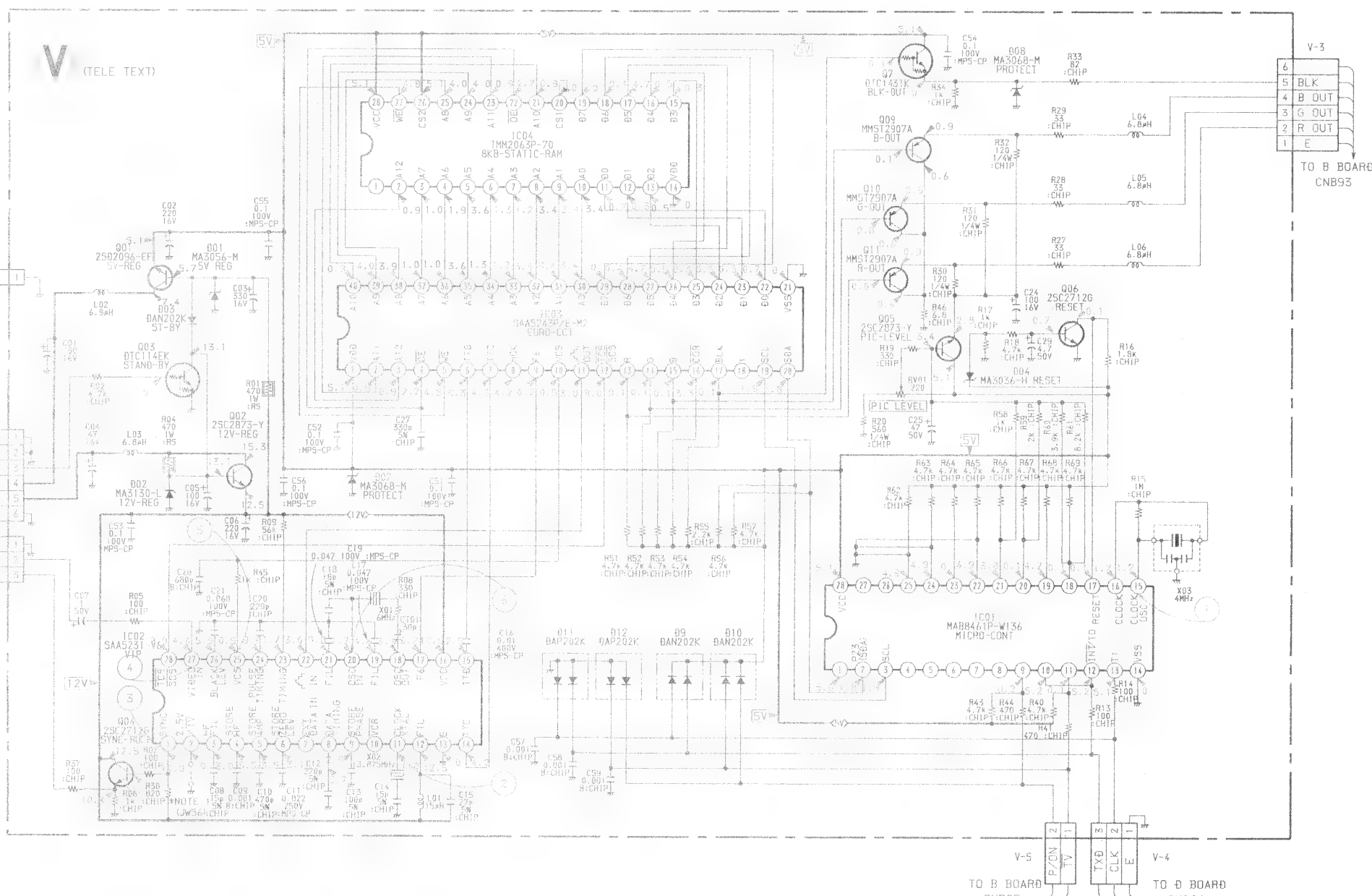
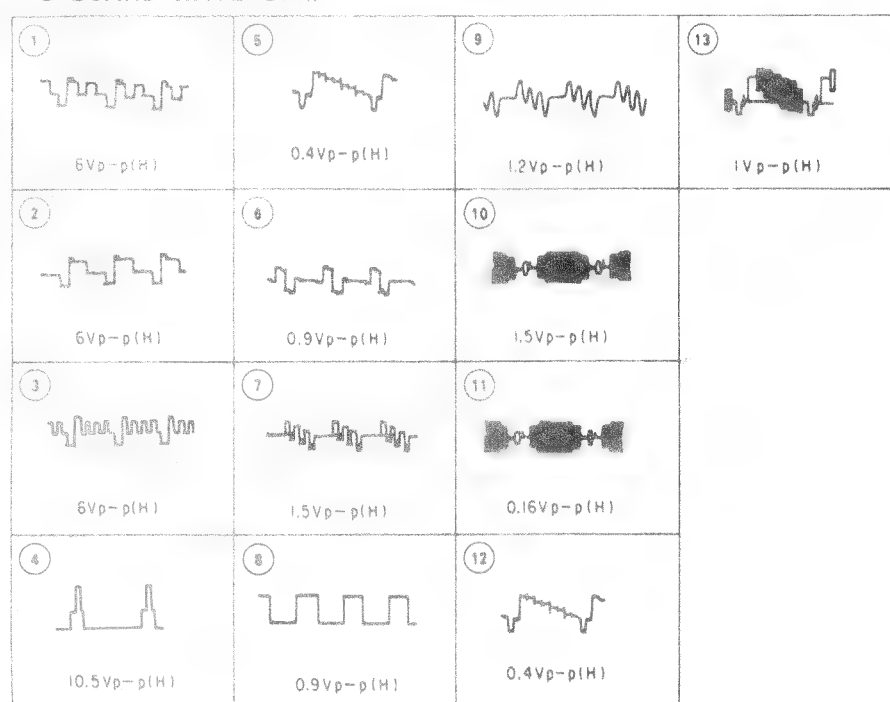
B BOARD IC301 TDA4580



B BOARD IC302 TDA8442



B BOARD WAVEFORM



A [SIGNAL TUNER, BAND SW, VIF, SIF]

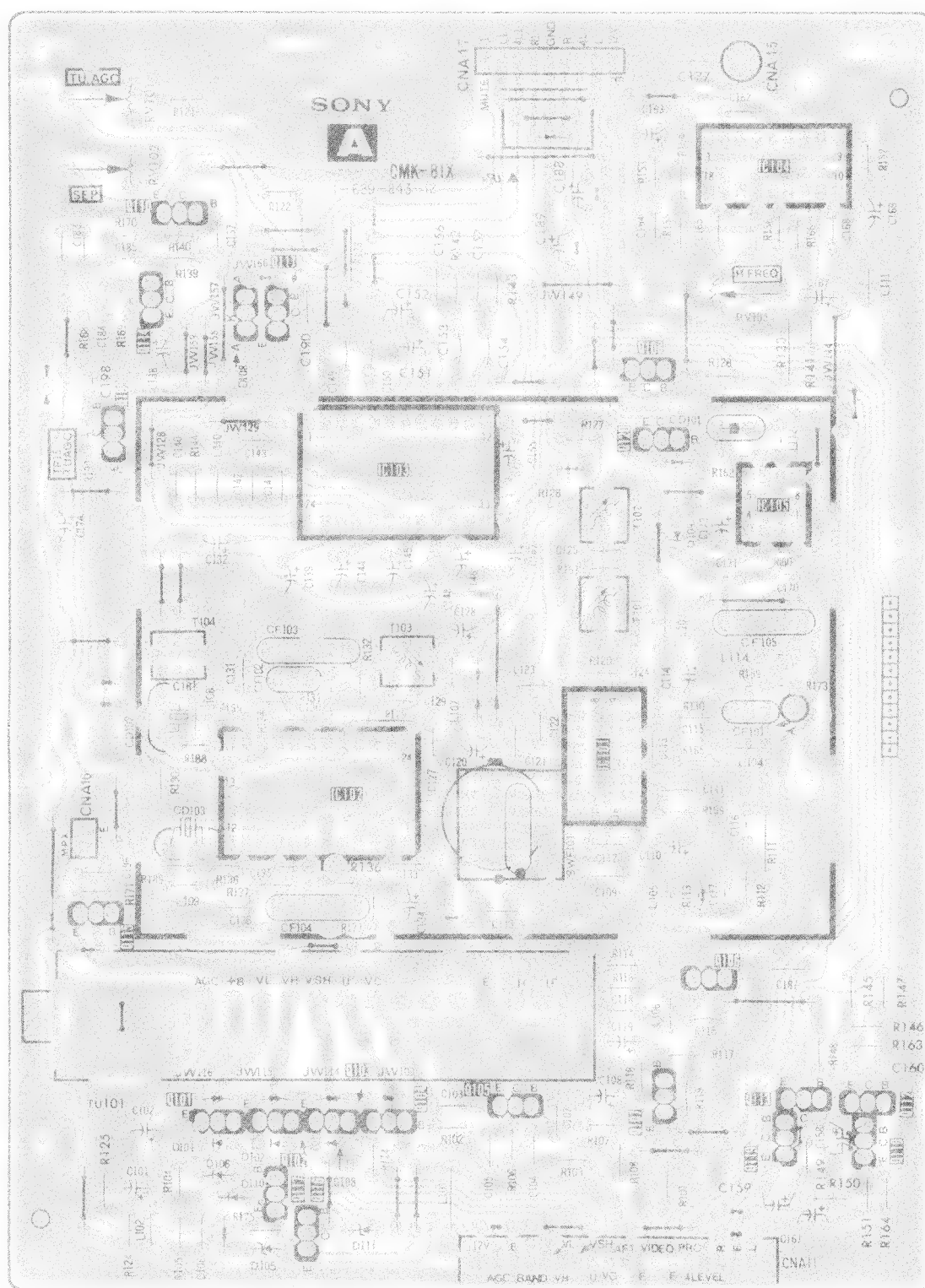
B [R.G.B INTERFACE, D/A CONVERTER, CHROMA DECODER]

F1 [POWER]

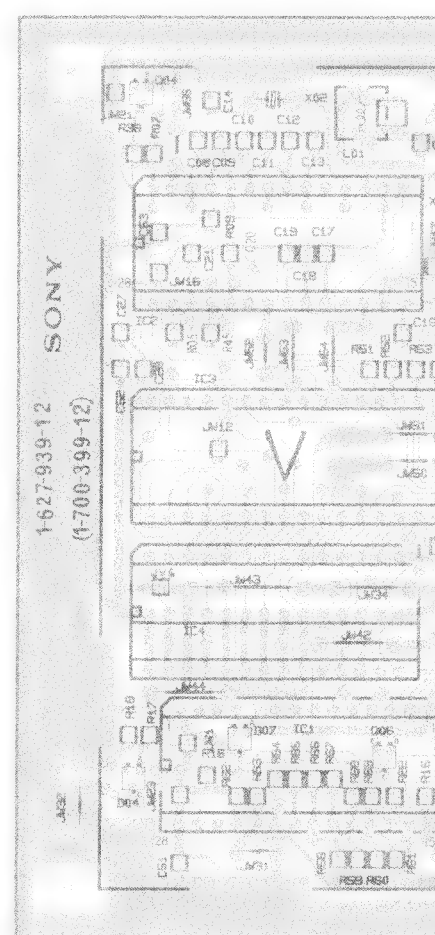
F2 [POWER SW]

V [TELETEXT]

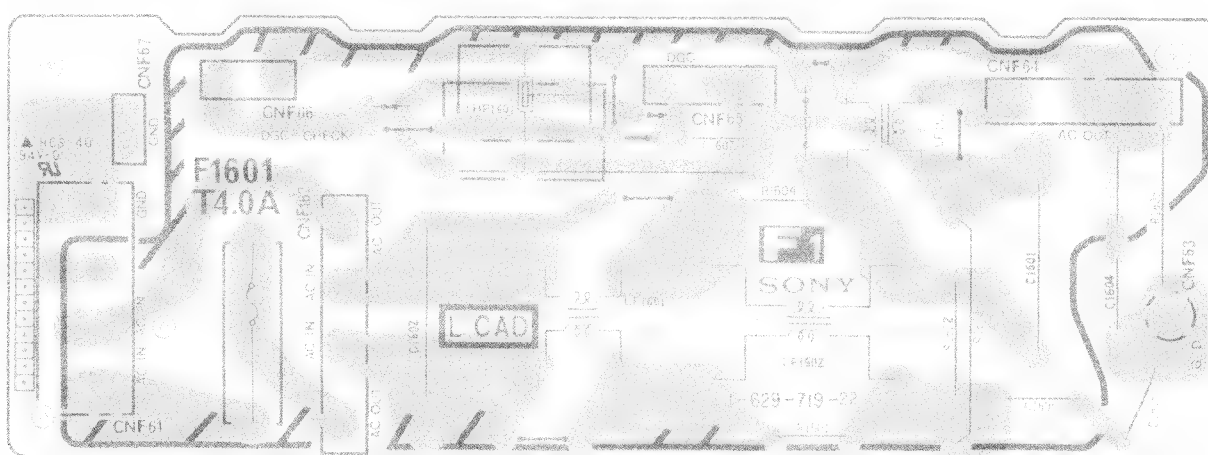
— A Board —



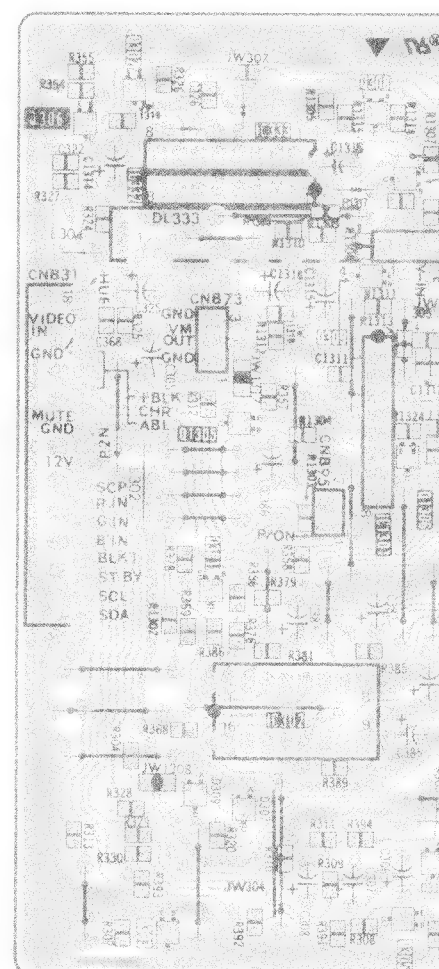
— V Board —



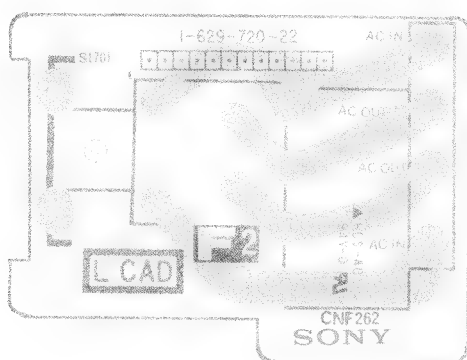
— F1 Board —



— B Board —

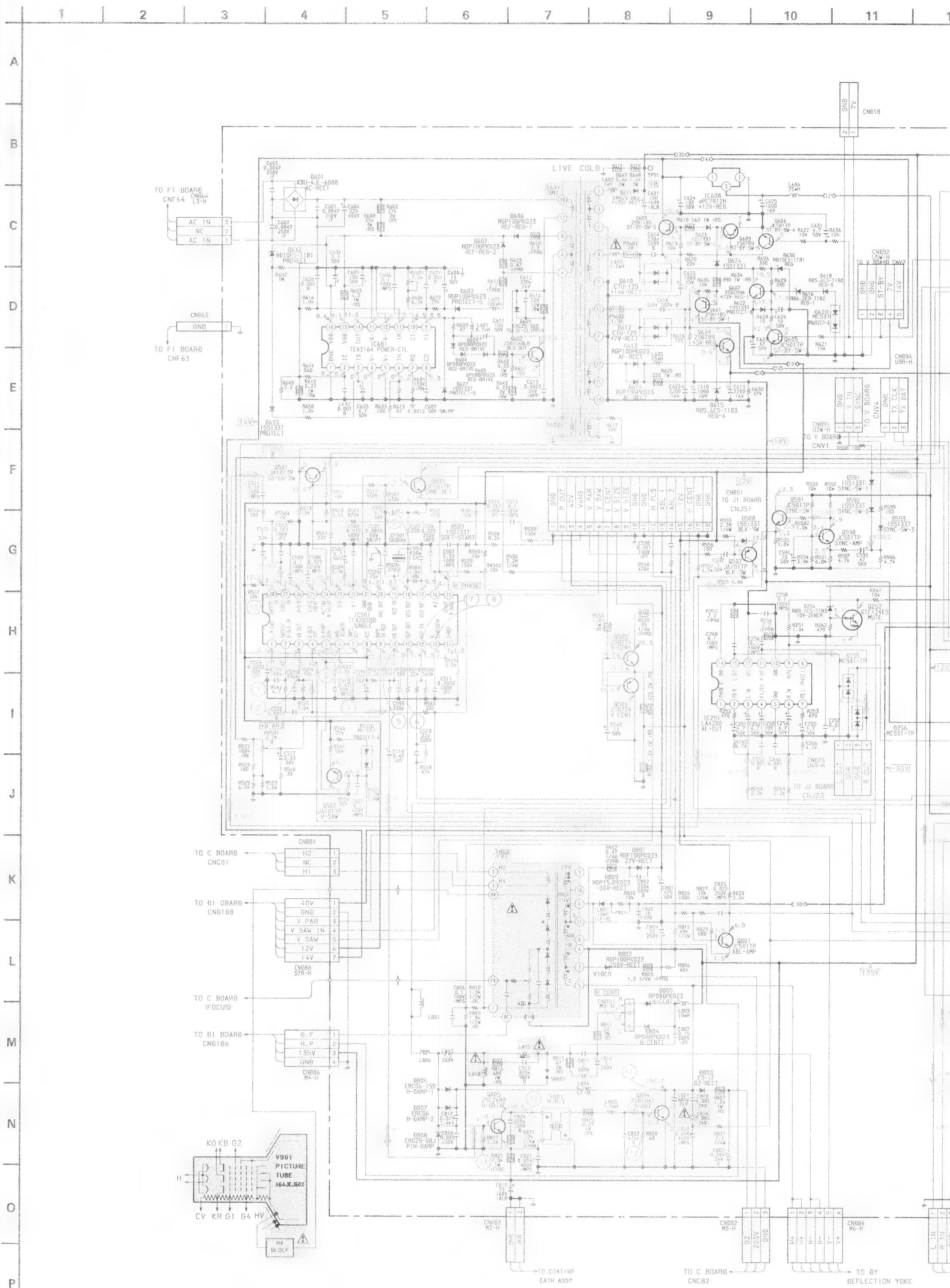


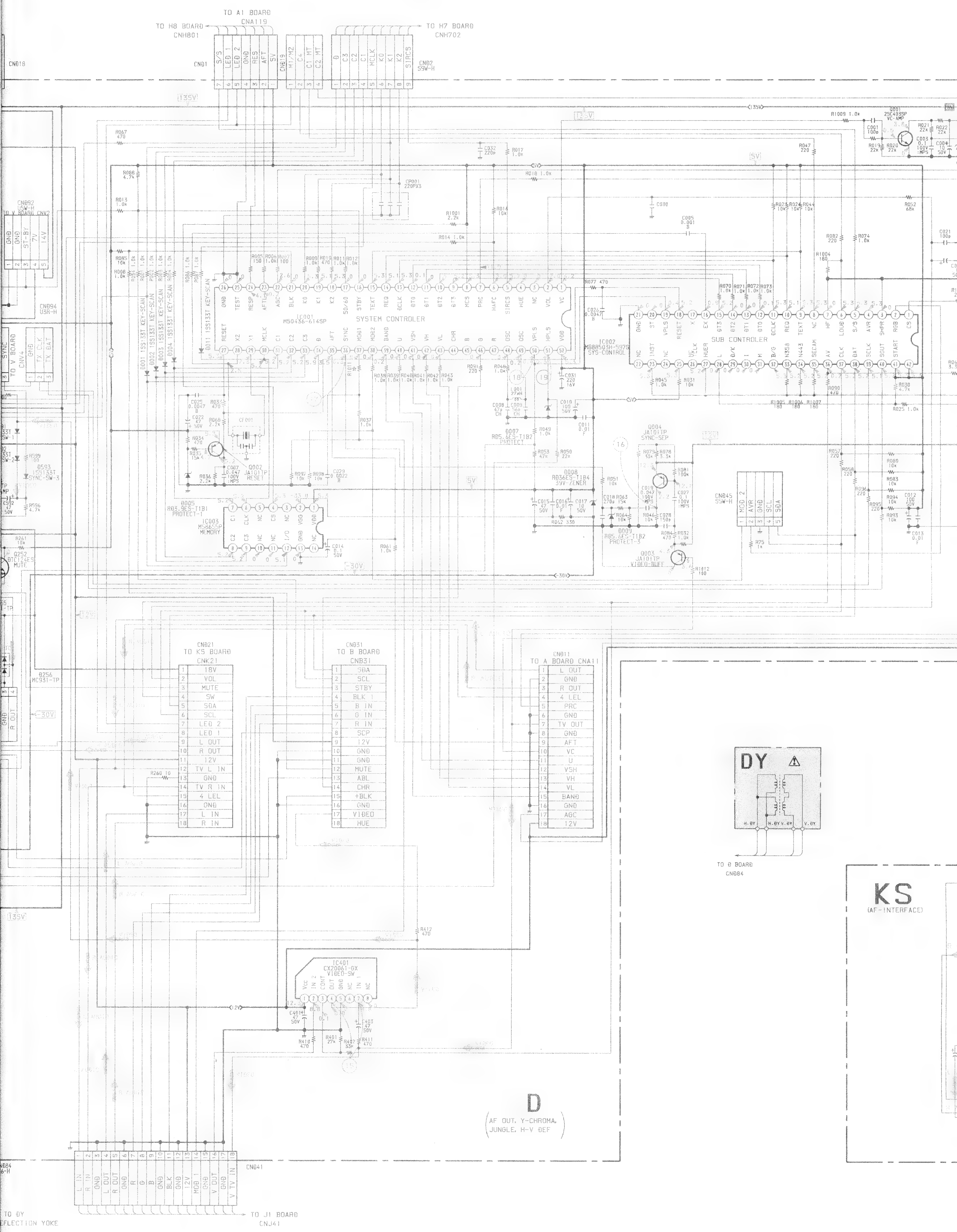
— F2 Board —



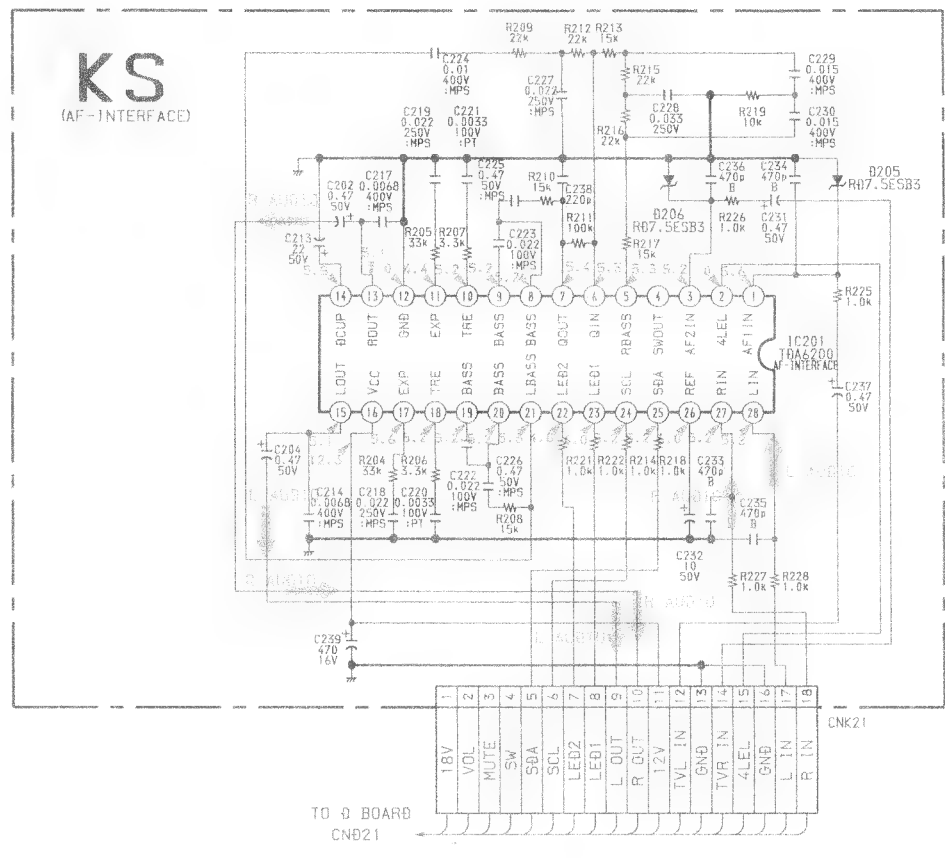
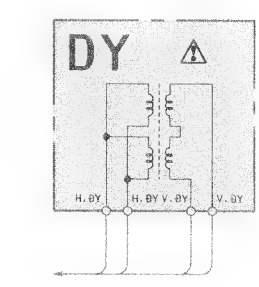
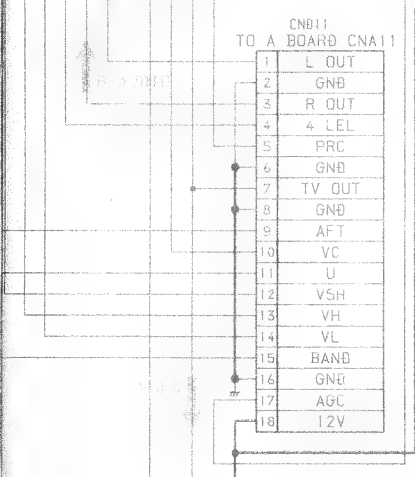
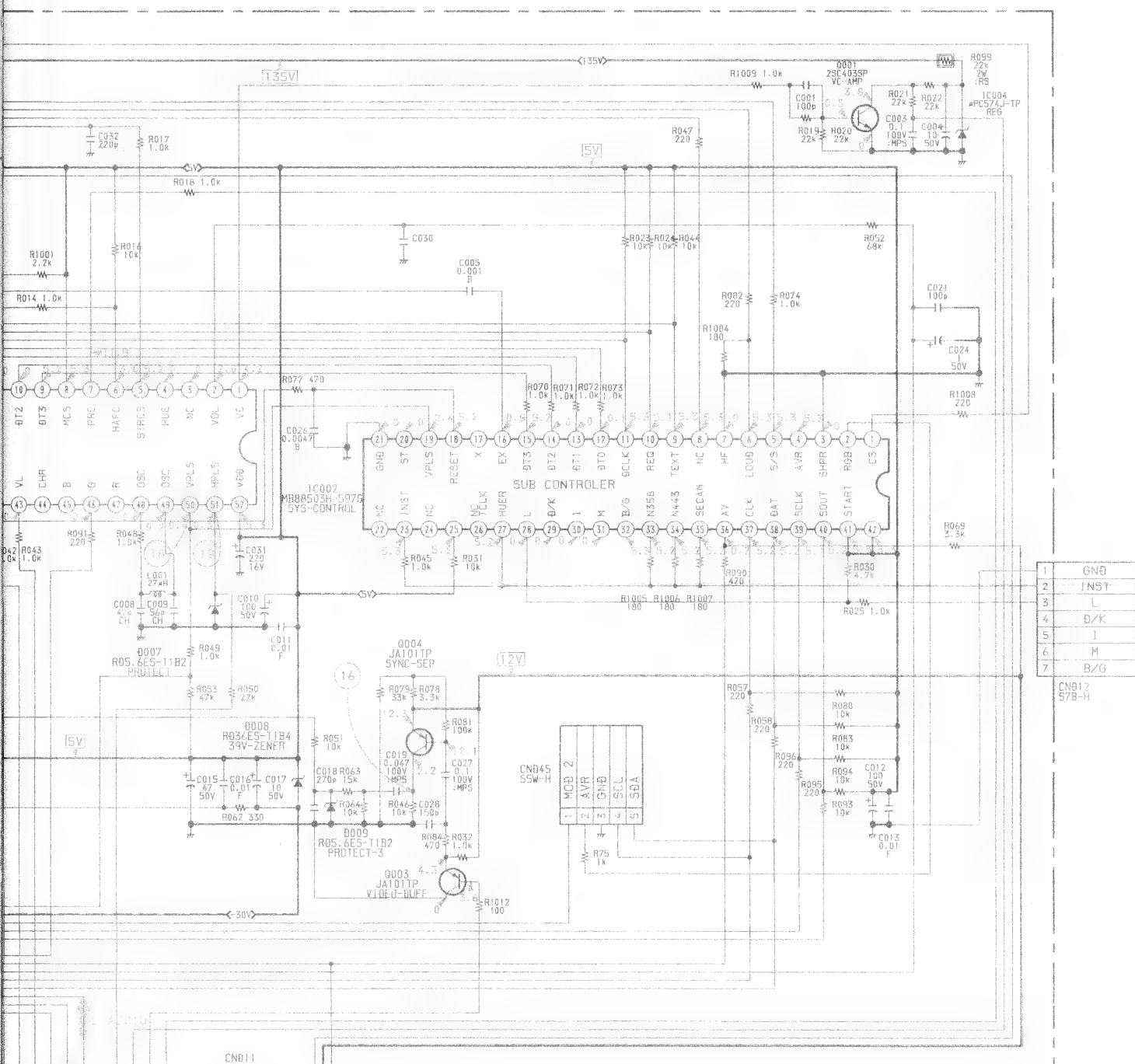
V-3
BLK
B OUT
G OUT
R OUT
E
TO B BOARD
CNB93

[illegible]





H7 BOARD
CNH702



D
(AF OUT, Y-CHROMA,
JUNGLE, H-V DEF)

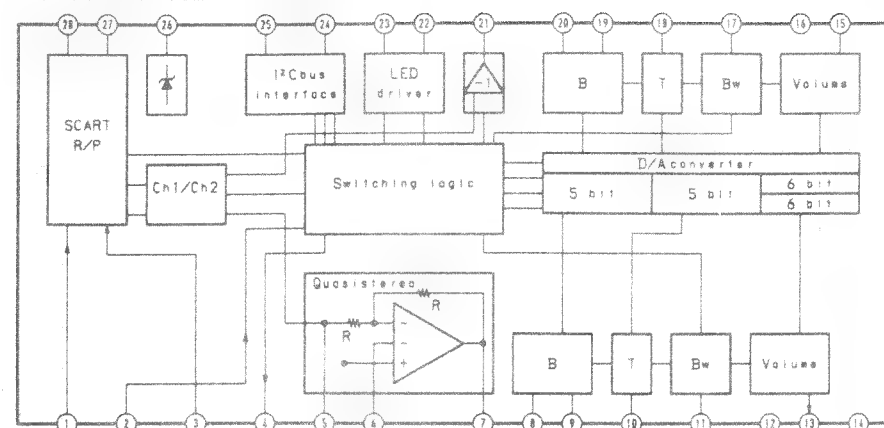
Ks

[STEREO]

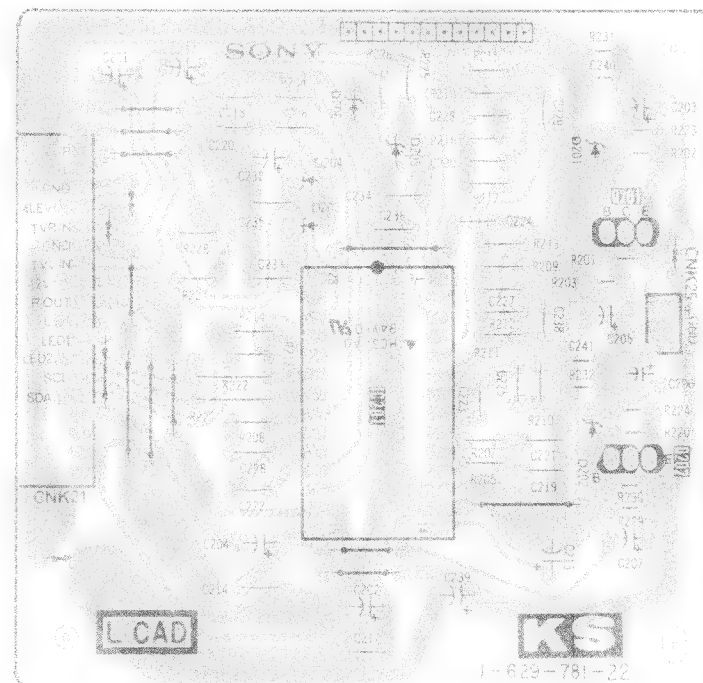
D

[SYSTEM CONTROL
MEMORY, POWER CTL
JUNGLE, H-V OUT

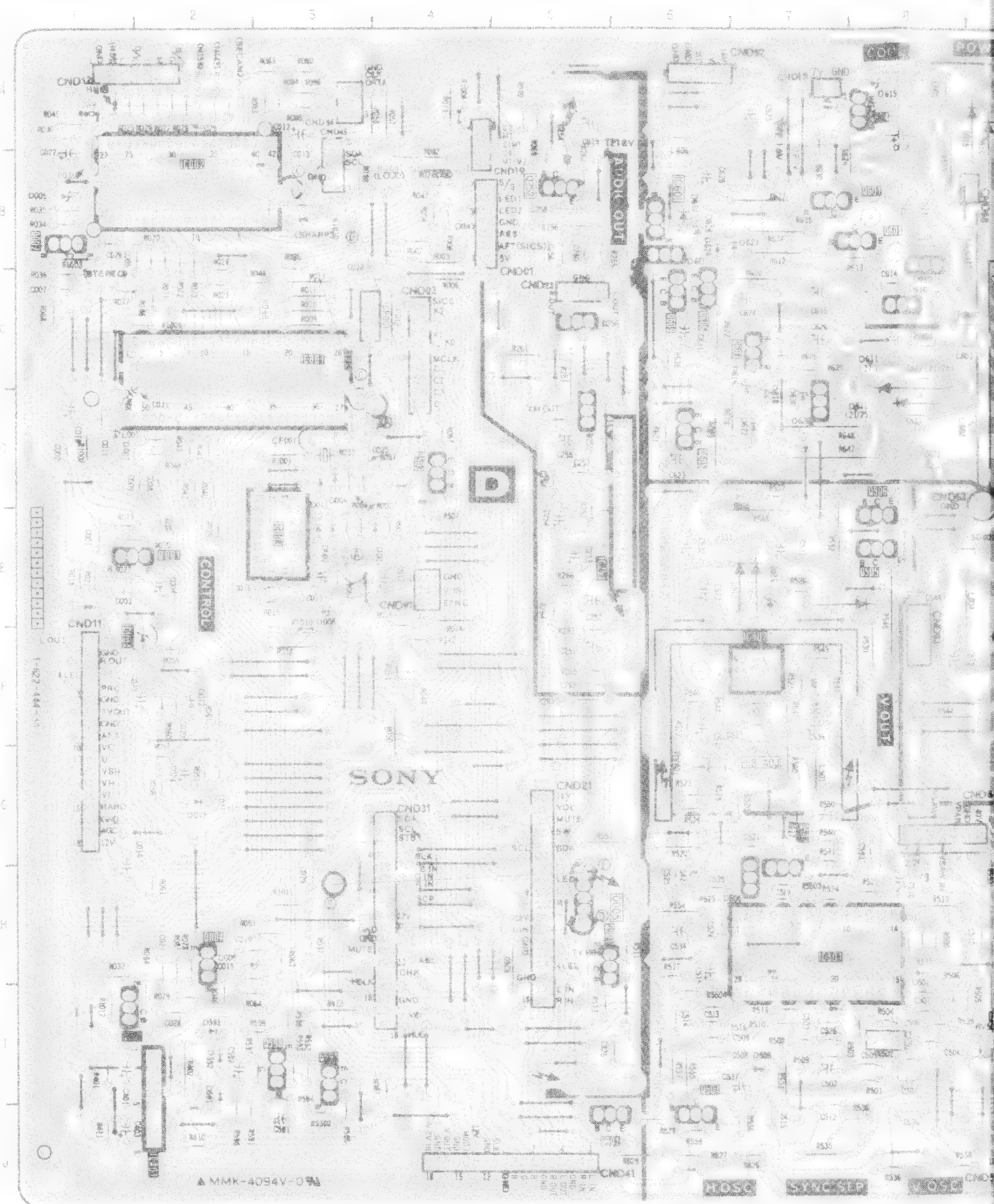
KS BOARD IC201 TDA6200



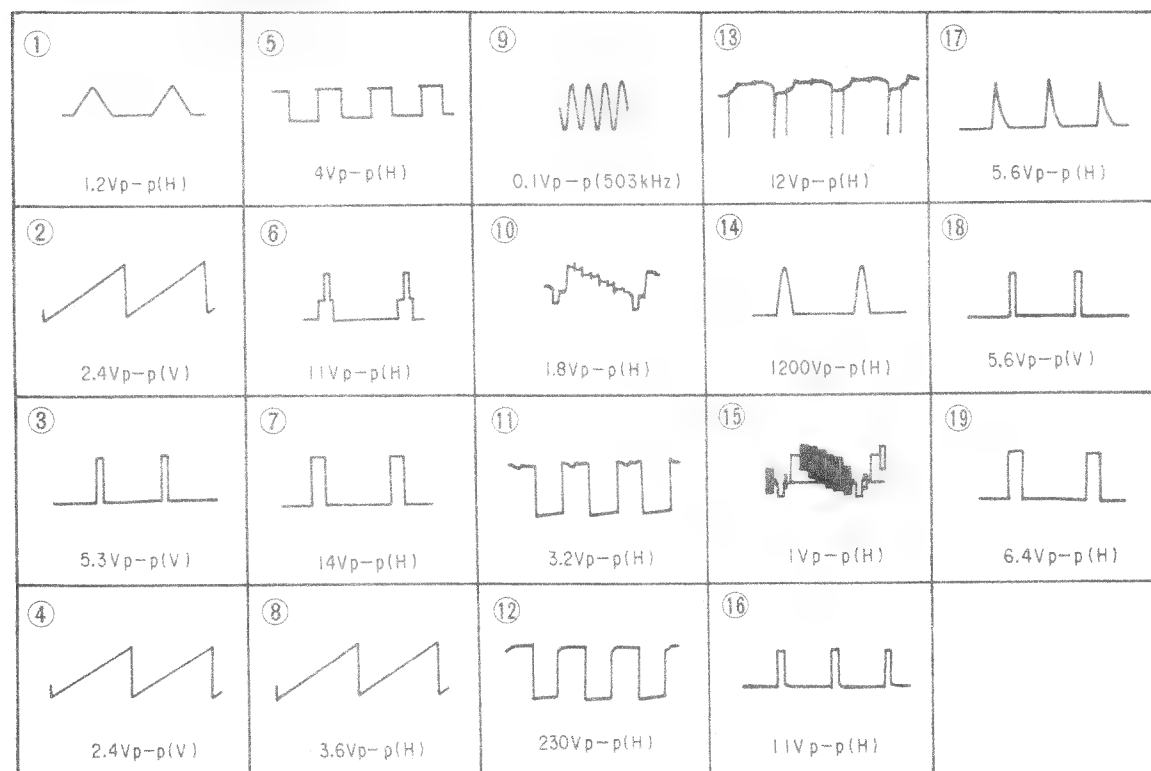
— KS Board —

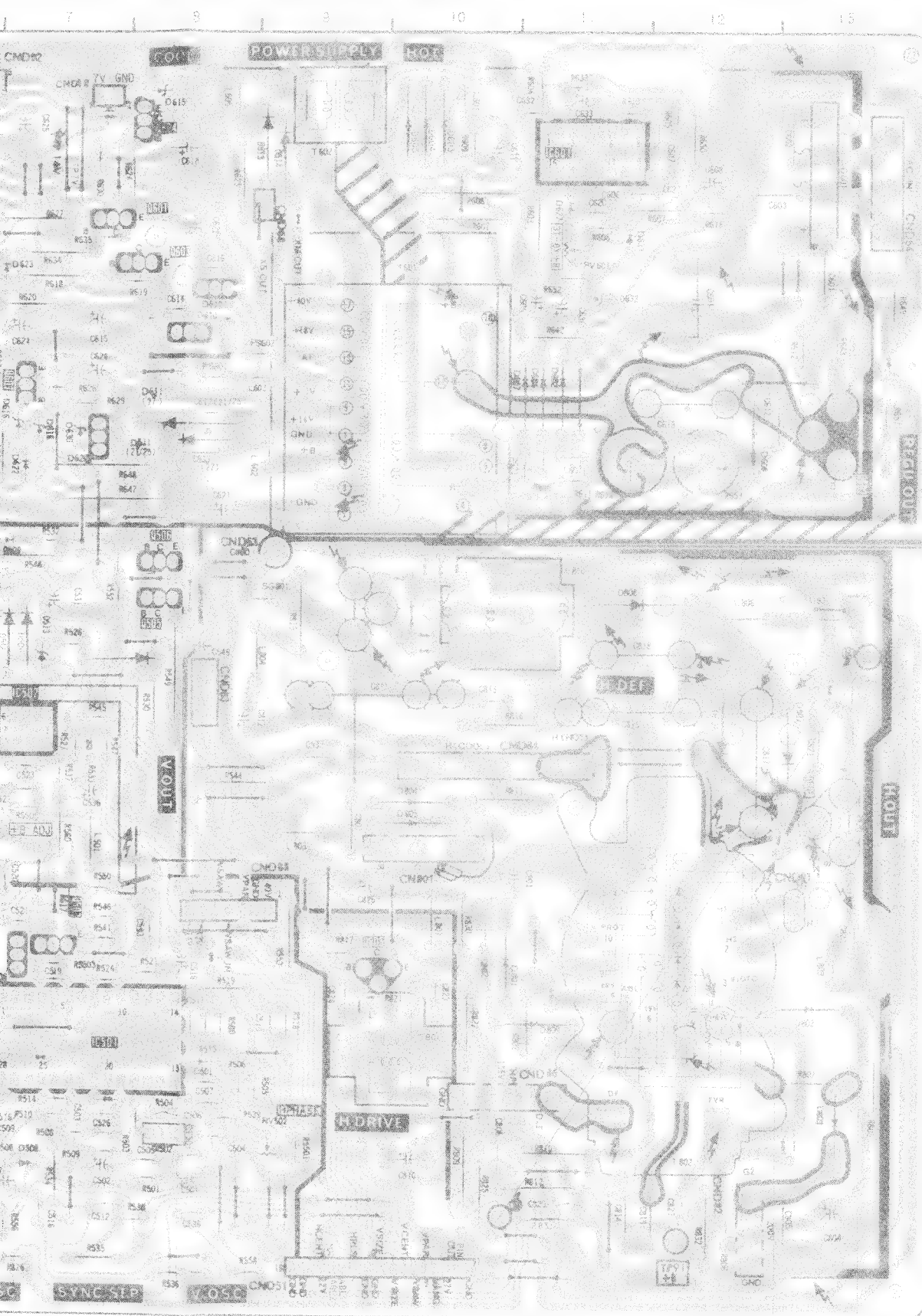


— D Board —



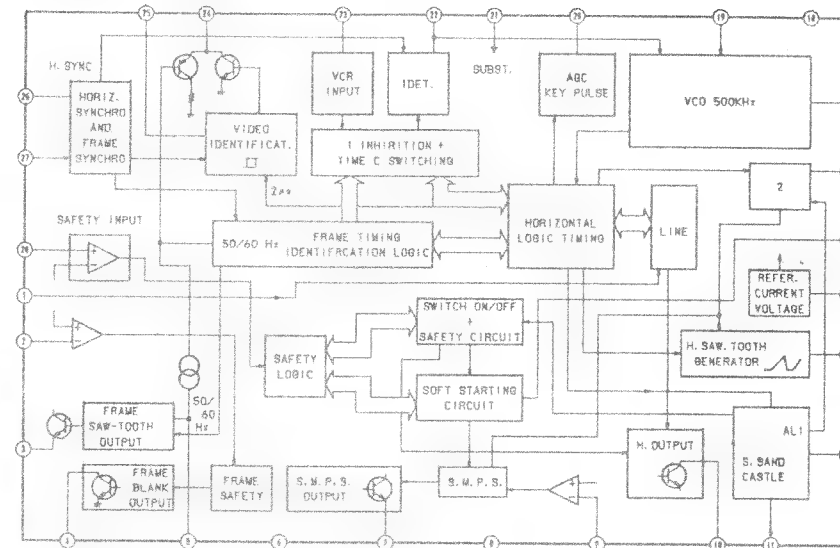
- D BOARD WAVEFORM



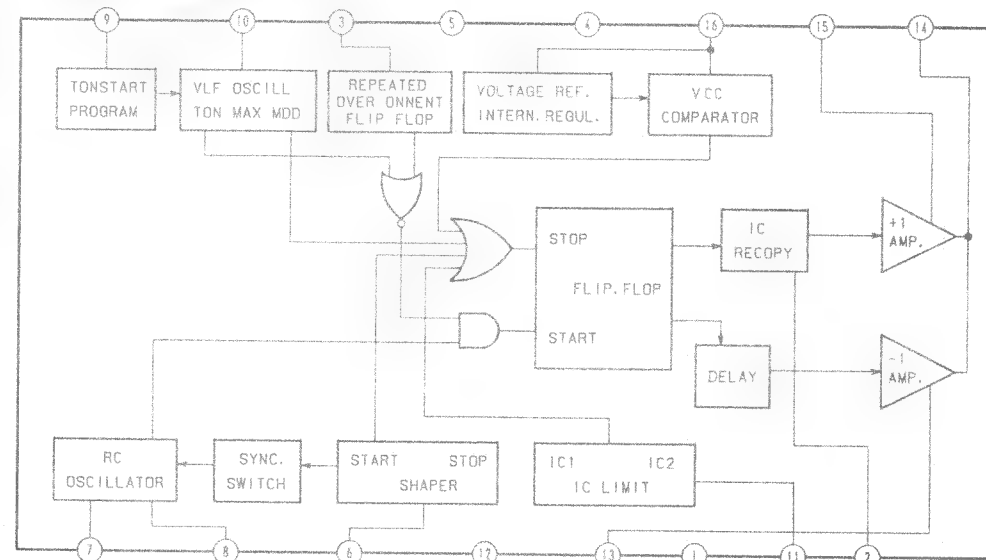


IC		DIODE	
IC001	D-3	D001	E-4
IC002	B-2	D002	E-3
IC003	E-3	D003	E-3
IC004	F-2	D004	D-3
IC251	E-6	D005	B-1
IC401	J-2	D007	D-1
IC501	H-7	D008	F-3
IC502	F-7	D009	I-3
IC601	B-11	D011	E-3
		D012	F-2
		D013	G-2
TRANSISTOR		DIODE	
Q001	E-2	D254	B-5
Q002	B-1	D501	I-8
Q003	I-2	D504	E-7
Q004	H-2	D506	H-7
Q252	B-6	D508	I-7
Q501	H-6	D511	F-8
Q502	H-7	D512	E-7
Q503	D-4	D513	E-7
Q505	E-8	D591	J-2
Q506	E-8	D592	I-2
Q507	J-6	D593	I-2
Q591	I-3	D601	B-13
Q598	I-3	D602	C-11
Q601	B-8	D603	A-10
Q602	D-13	D604	A-10
Q603	B-8	D605	A-10
Q604	A-8	D606	C-11
Q605	D-6	D607	C-11
Q606	C-6	D608	C-11
Q607	C-7	D610	C-8
Q608	B-6	D611	D-8
Q609	C-6	D612	C-8
Q801	J-6	D613	A-9
Q804	G-13	D614	B-9
Q805	H-10	D615	A-8
		D616	D-7
		D617	B-6
		D618	D-7
		D619	B-6
		D620	D-8
		D621	C-6
		D622	D-7
		D623	C-7
		D624	C-7
		D627	B-11
		D630	D-7
		D632	C-11
		D633	C-11
		D801	H-11
		D802	H-13
		D803	I-13
		D804	G-10
		D805	G-10
		D806	F-12
		D808	E-12
		D809	H-11
VARIABLE RESISTOR		DIODE	
RV501	G-6		
RV502	I-9		
RV601	B-11		

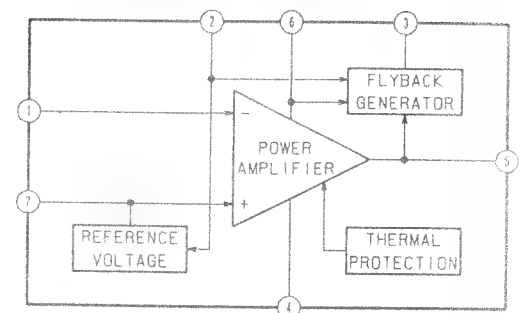
D BOARD IC501 TEA2028A



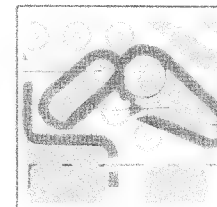
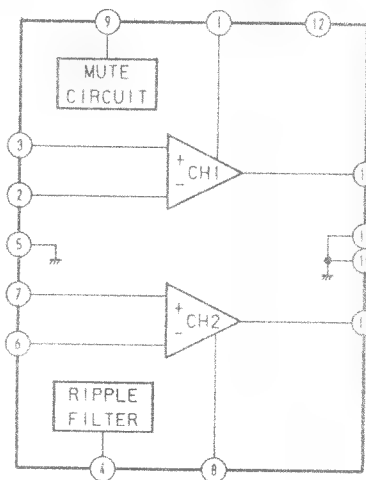
D BOARD IC601 TEA2164



D BOARD IC502 TDA8170



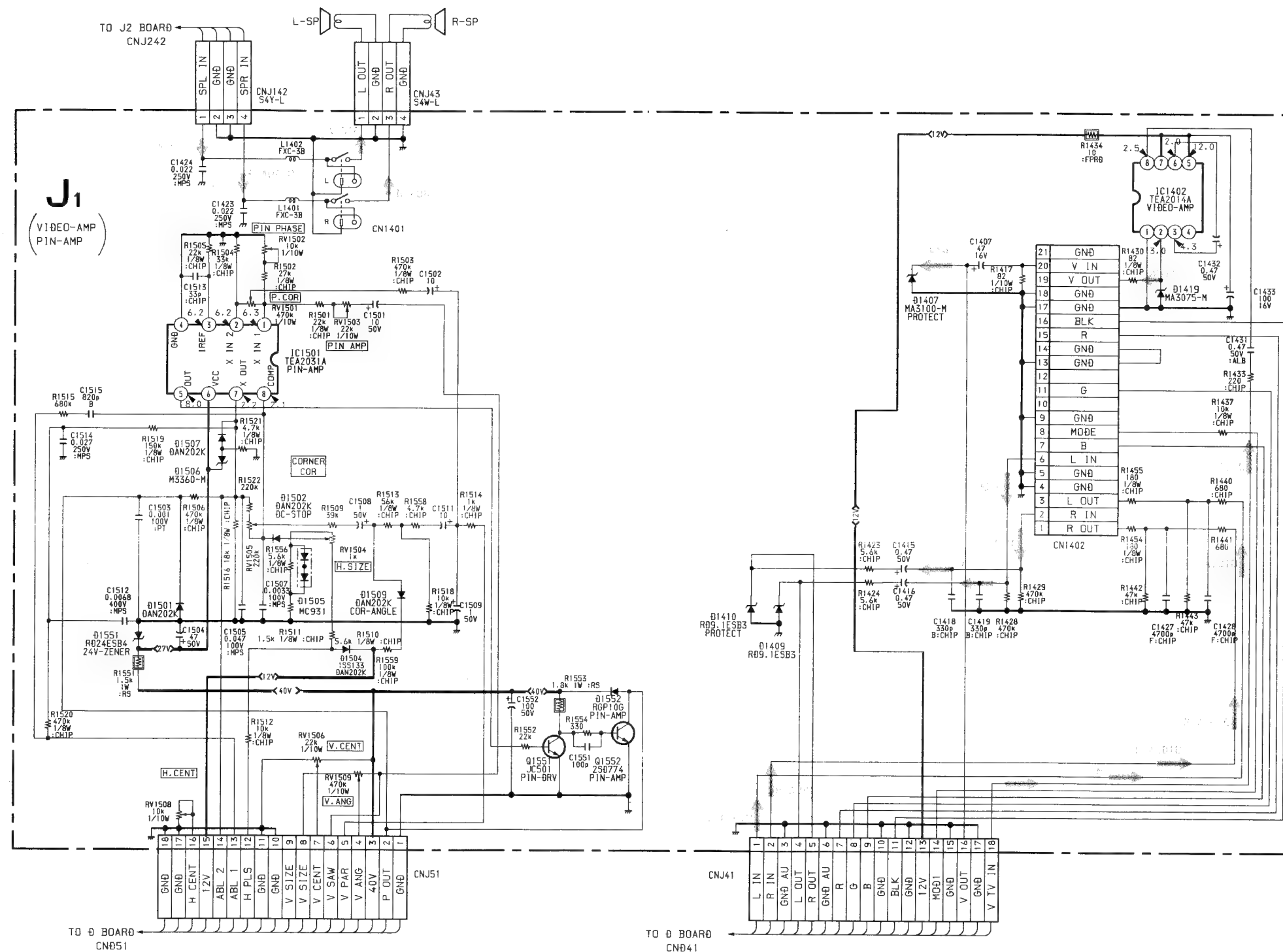
D BOARD IC251 LA4280

**NOTE:**

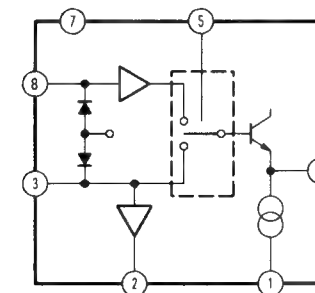
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

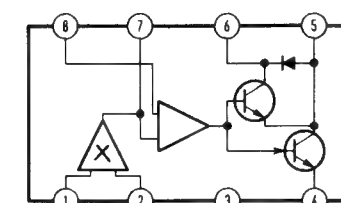
A
B
C
D
E
F
G
H
I
J

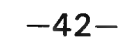


J1 BOARD IC1402 TEA2014A



J1 BOARD IC1501 TEA2031A





J1

VIDEO AMP
PIN AMP

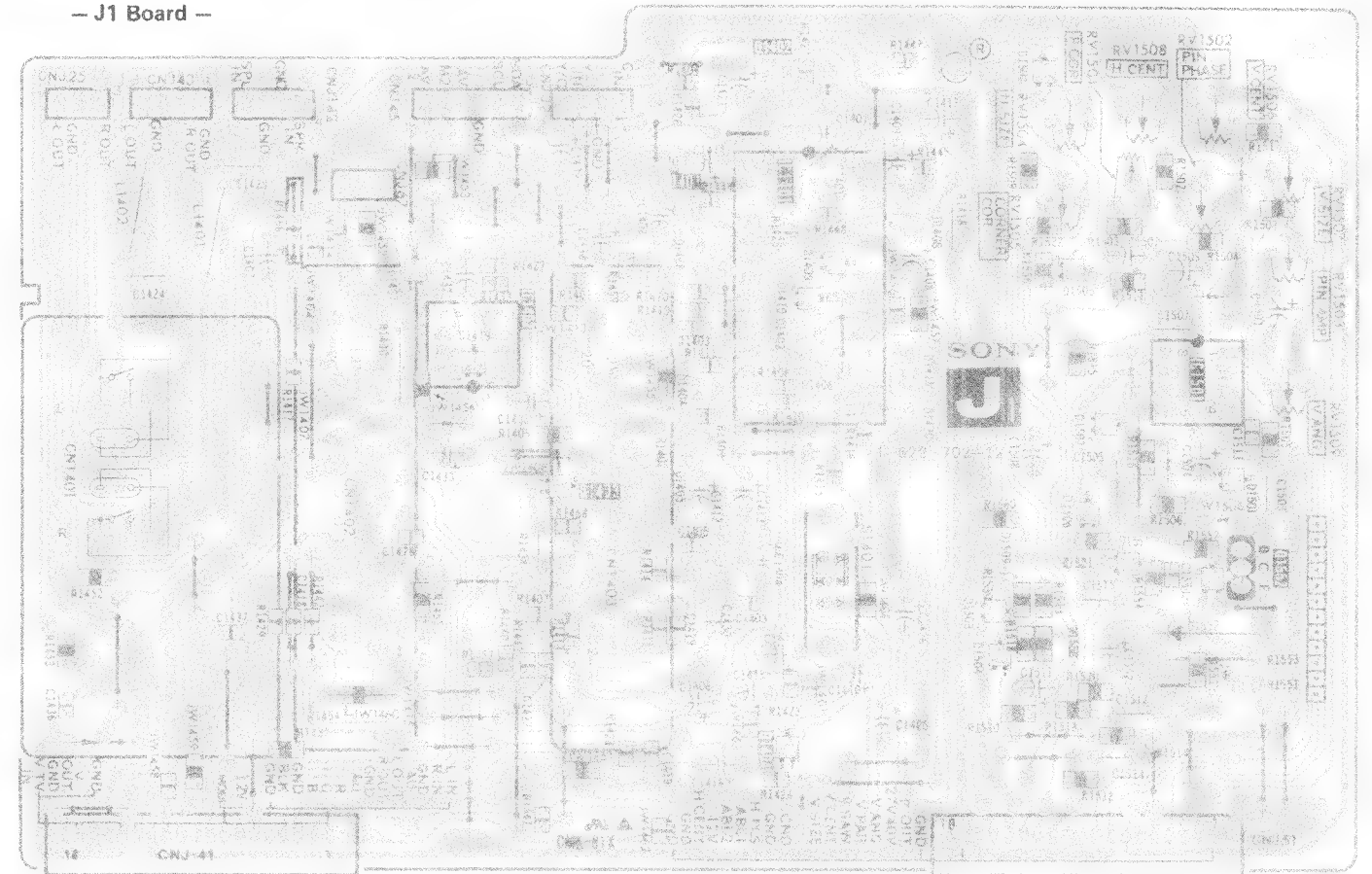
J2

[HEADPHONE JACK]

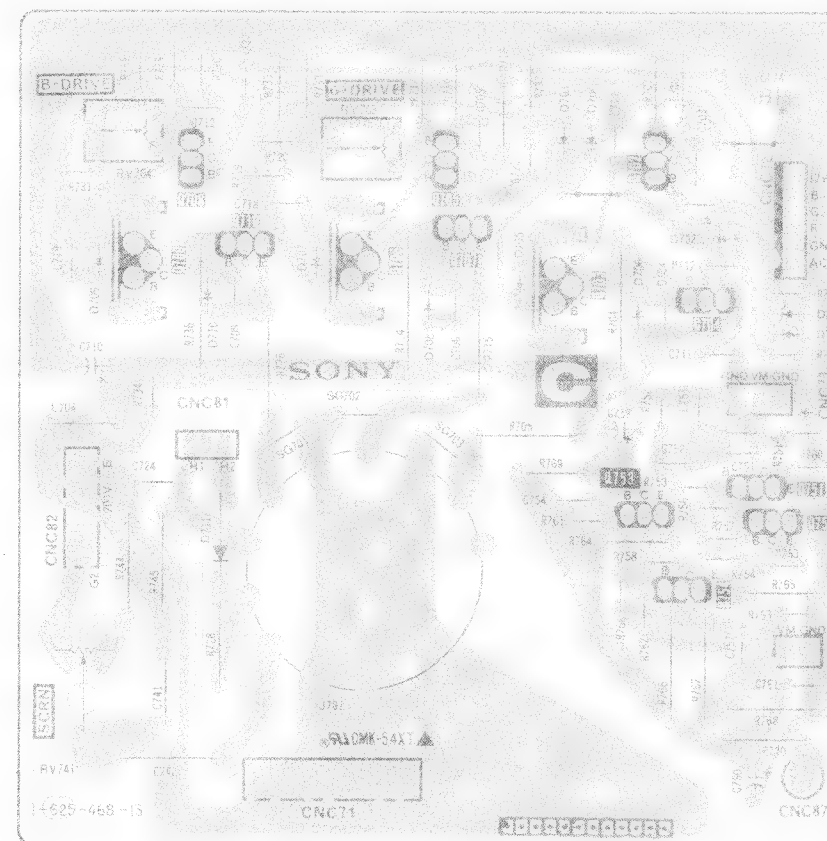
C

[R-G-B OUT]

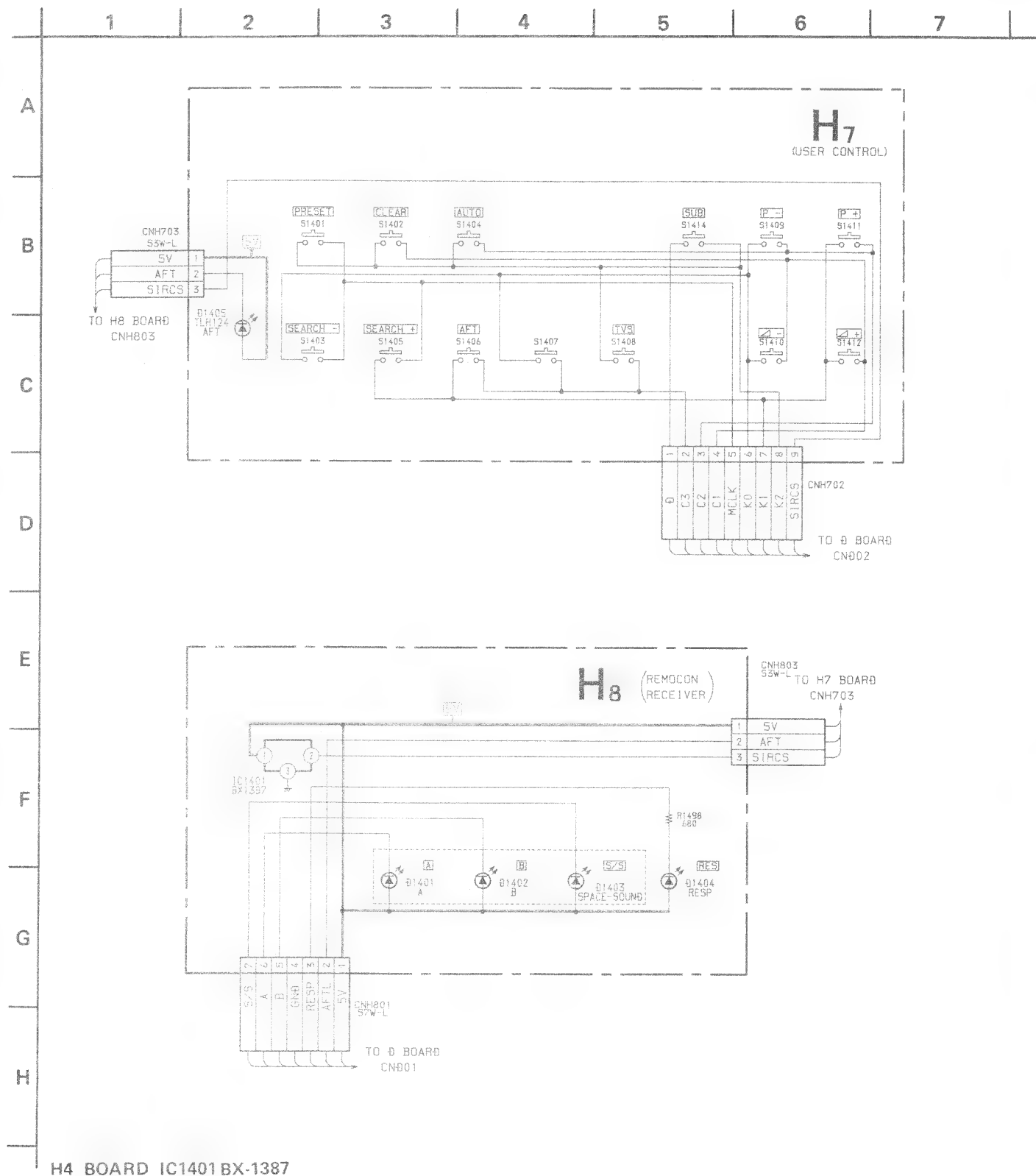
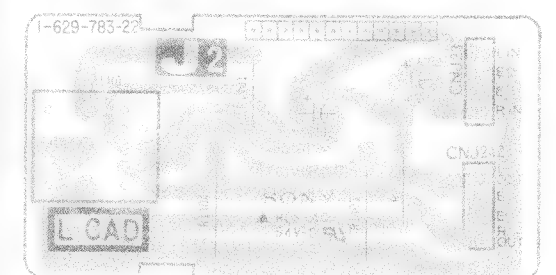
- J1 Board -



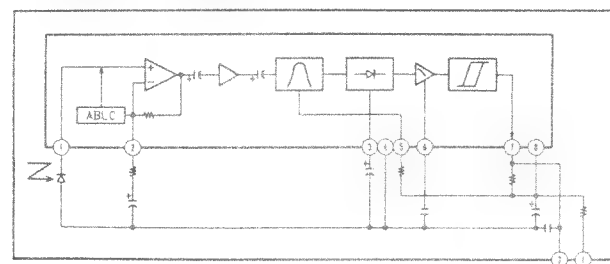
- C Board -



- J2 Board -



H4 BOARD IC1401 BX-1387



J1

VIDEO AMP
PIN AMP

J2

HEADPHONE JACK

C

R.G.B OUT

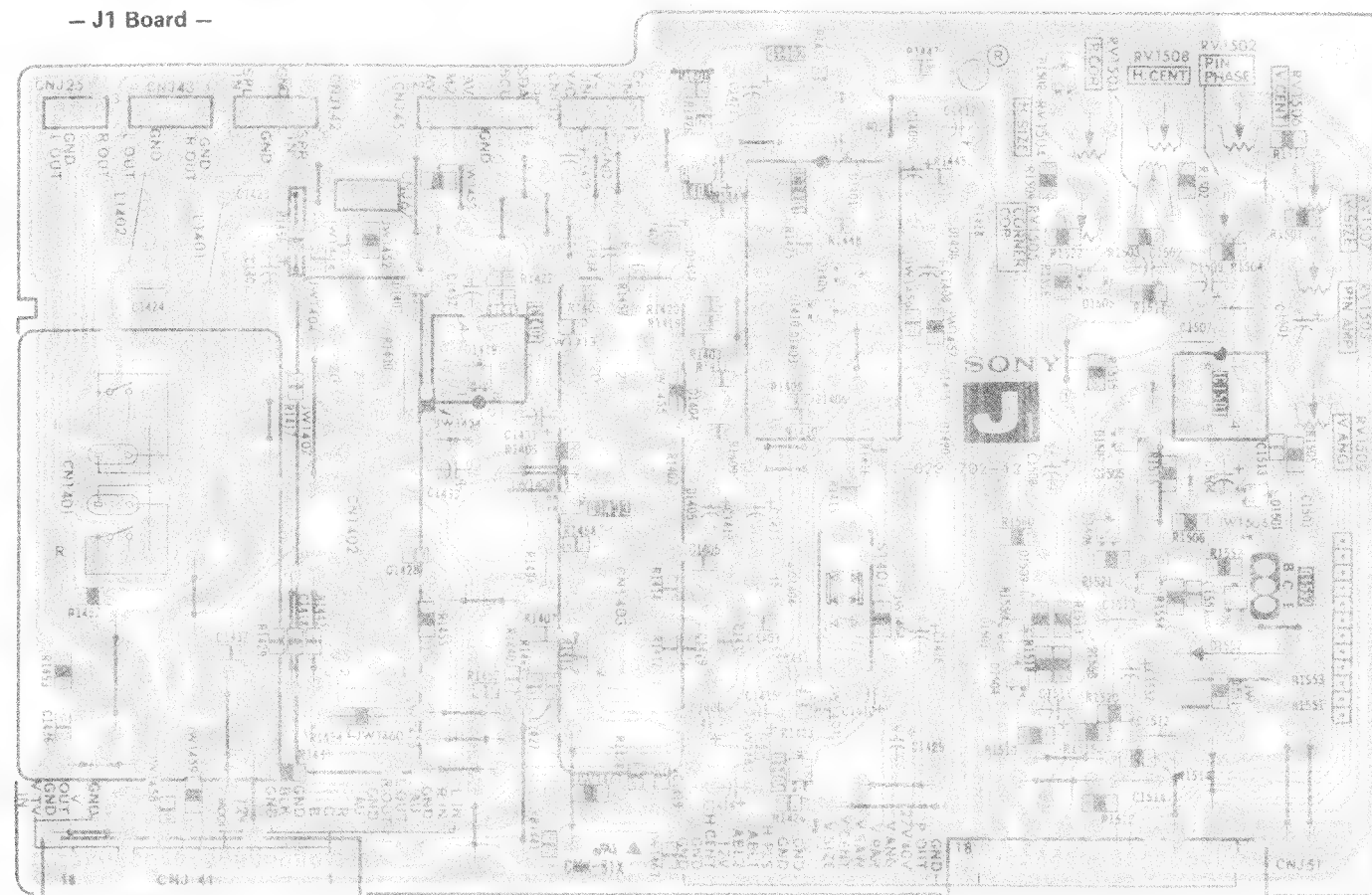
D1

V DRIVE, V OUT
Y. BOW, H. AMP

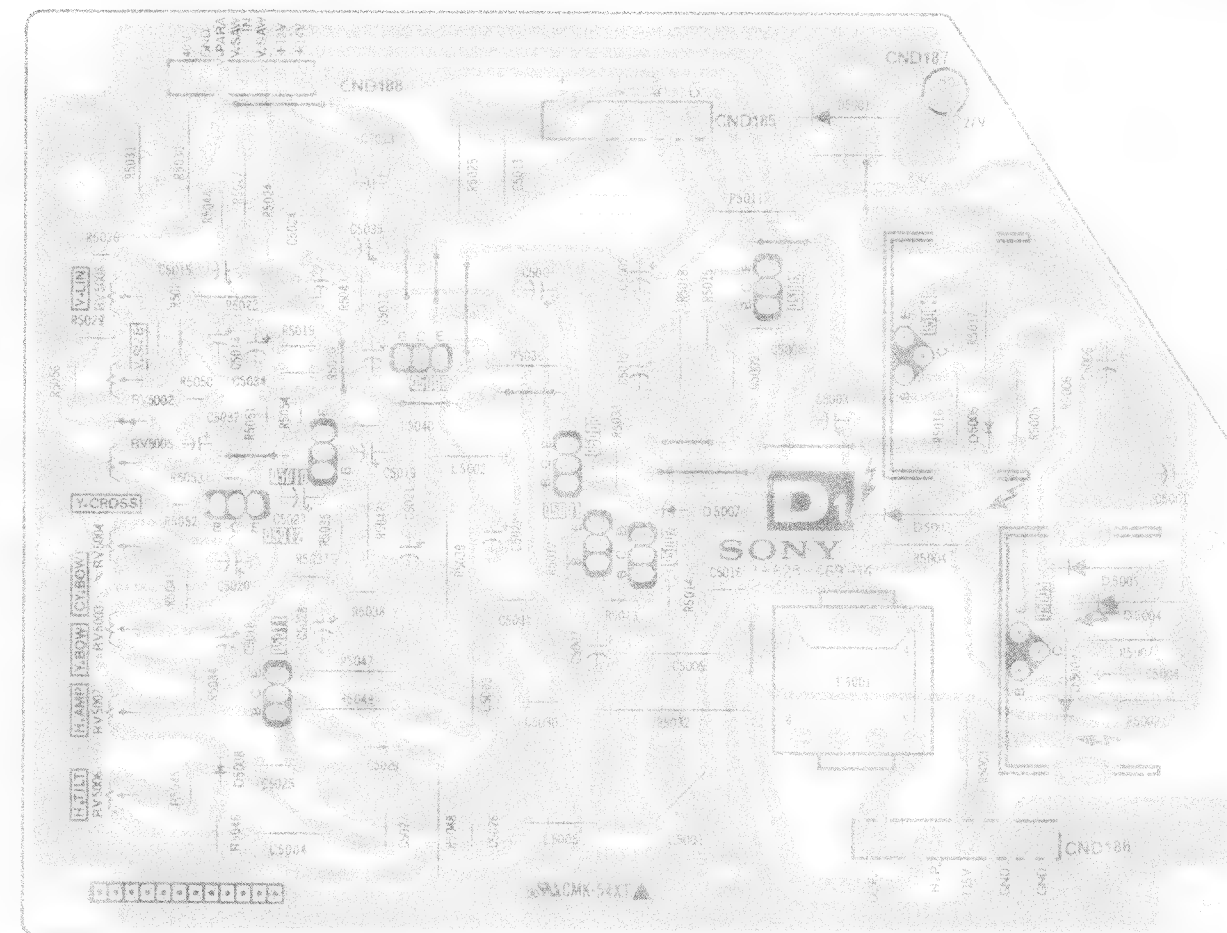
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H8

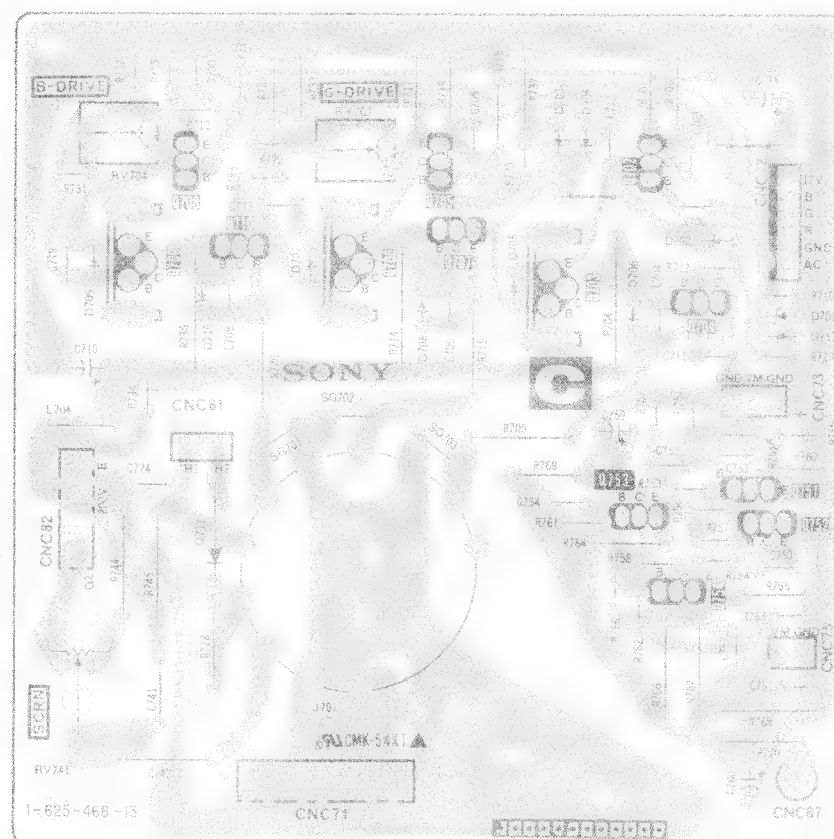
-J1 Board-



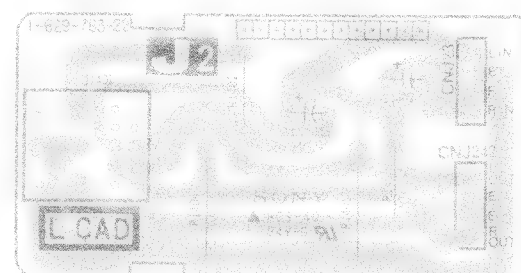
-D1 Board-



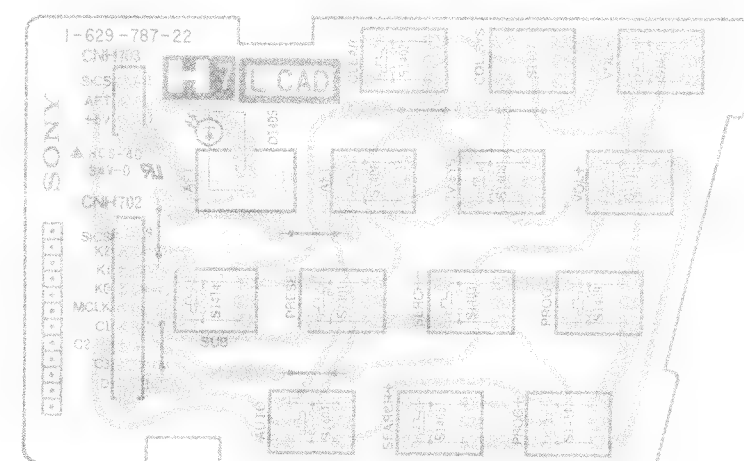
-C Board-



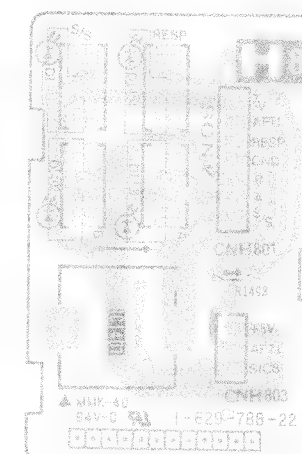
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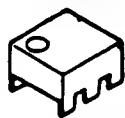
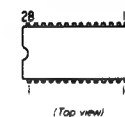
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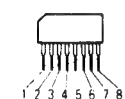
-H8 Board-



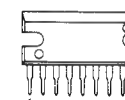
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TDA6200
TDA6600
TEA2028B
TMM2063D

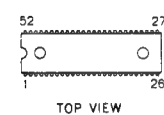
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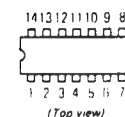
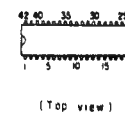
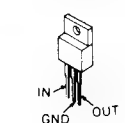
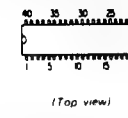
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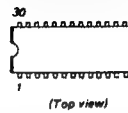
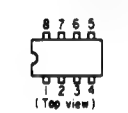
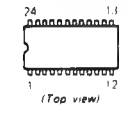
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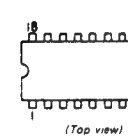
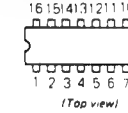
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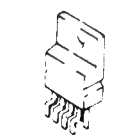
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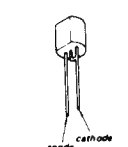
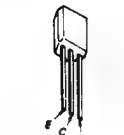
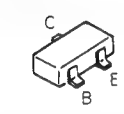
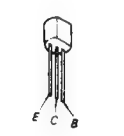
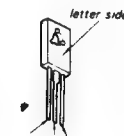
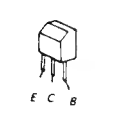
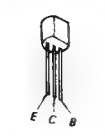
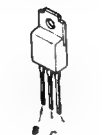
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TEA2126A
TEA2164

TDA8170



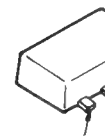
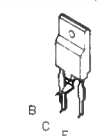
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DTC114ES
DTC124ES
DTC144ES
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2SA1175
2SC403SP
2SC1740SRT
2SC2458
2SC2603
2SC2710DTC114EK
2SB815B6
2SC2712G2SA933
2SA1091
JA101
JC5012SA1175
2SC27852SA1220A
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2SC1475
2SD7892SB1185
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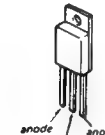
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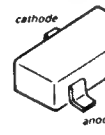
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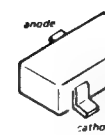
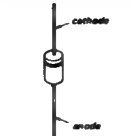
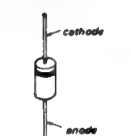
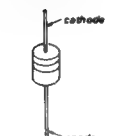
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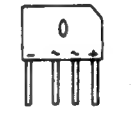
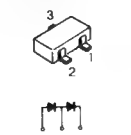
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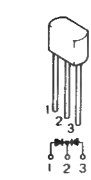
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ERC25-06S
ERD29-08JEQB01-11
ERC24-06S
ERD28-06S
ES1F
GP08DPKG23
RGP01-17PKG23
RGP10GPKG23
RGP15GPKG23
1SS168
1SS238
1S1555
10E2HZS39NB4TD
RD3.6ES-B2
RD3.9ES-B1
RD4.7ES-B1
RD5.6ES-B2
RD6.2ES-B2
RD6.8ES-B2
RD7.5ES-B3
RD9.1ES-B3
RD10ES-B3
RD15ES-B1
RD36ES-B4
RD39ES-B4
1SS119
1SS120
1SS133

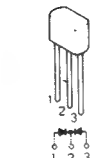
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MA3056M
MA3068M
MA3130L

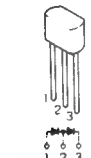
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MC921



MC931

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V19E

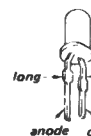
SE303AY



SLP162B



SR632D

TLR124
LD201VR

NOTE:

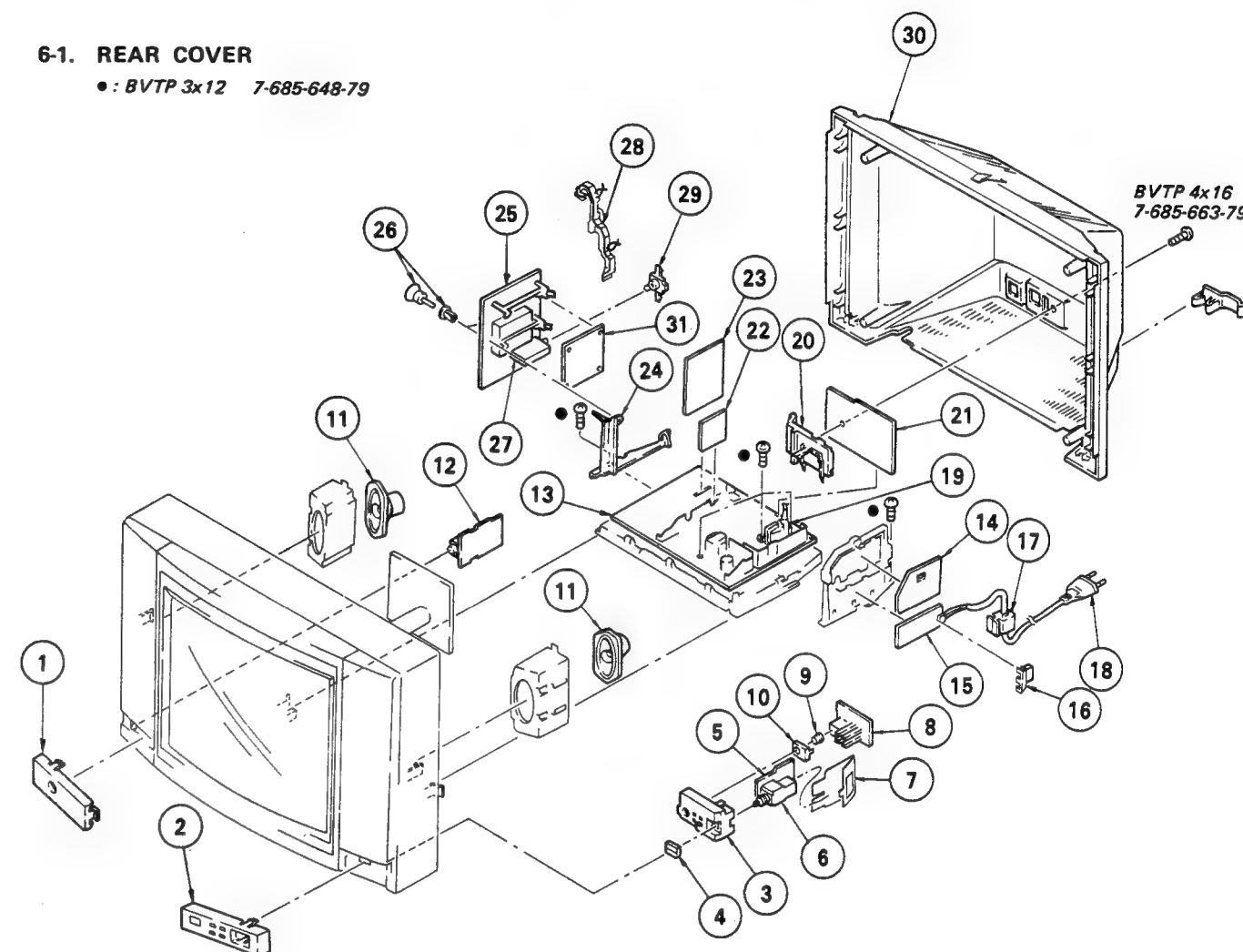
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SECTION 6
EXPLODED VIEWS

The components identified by shading and mark ▲ are critical for safety.
Replace only with part number specified.

6-1. REAR COVER

●: BVTP 3x12 7-685-648-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-389-112-01	PLATE (B) (BLACK)		16	*4-386-620-02	COVER, POWER	
	4-389-112-11	PLATE (B) (GRAY)		17	▲ 4-389-201-02	HOLDER, AC CORD	
2	X-4389-101-1	PLATE (A) ASSY (BLACK)		18	▲ 1-559-346-12	CORD, POWER (WITH CONNECTOR) (AEP)	
	X-4389-101-2	PLATE (A) ASSY (GRAY)		19	▲ 1-559-912-12	CORD, POWER (WITH CONNECTOR) (AUS)	
3	*4-389-124-01	PANEL, POWER SWITCH		20	▲ 1-439-418-21	TRANSFORMER ASSY, FLYBACK (UX-1610)	
4	4-389-106-01	BUTTON, POWER (BLACK)		21	*4-386-624-11	BRACKET, J	
	4-389-106-11	BUTTON, POWER (GRAY)		22	*A-1371-577-A	J1 BOARD, COMPLETE	
5	*1-629-720-22	F2 BOARD		23	*1-629-781-22	KS BOARD	
6	▲ 1-571-410-11	SWITCH, PUSH (AC POWER) (1 KEY)		24	*A-1135-594-A	B BOARD, COMPLETE	
7	*4-387-804-01	INSULATOR		25	*4-386-629-12	BRACKET, A	
8	*1-629-788-22	H8 BOARD		26	*A-1296-569-A	A BOARD, COMPLETE	
9	*4-374-987-01	GUIDE, LIGHT		27	4-386-618-01	RIVET, T TYPE	
10	*4-388-955-01	BRACKET (B), LIGHT GUIDE		28	▲ 1-465-053-11	TUNER, ET (UV-615S)	
11	1-503-642-41	SPEAKER		29	*4-386-628-11	SUPPORTER, PC BOARD	
12	*1-629-783-22	J2 BOARD		30	*4-386-617-01	HOLDER, TERMINAL	
13	*A-1345-764-A	D BOARD, COMPLETE		31	4-389-122-01	COVER, REAR	
14	*A-1341-047-A	D1 BOARD, COMPLETE			*A-1347-030-A	V BOARD, COMPLETE	
15	*1-629-719-23	F1 BOARD					

SECTION 6
EXPLODED VIEWS

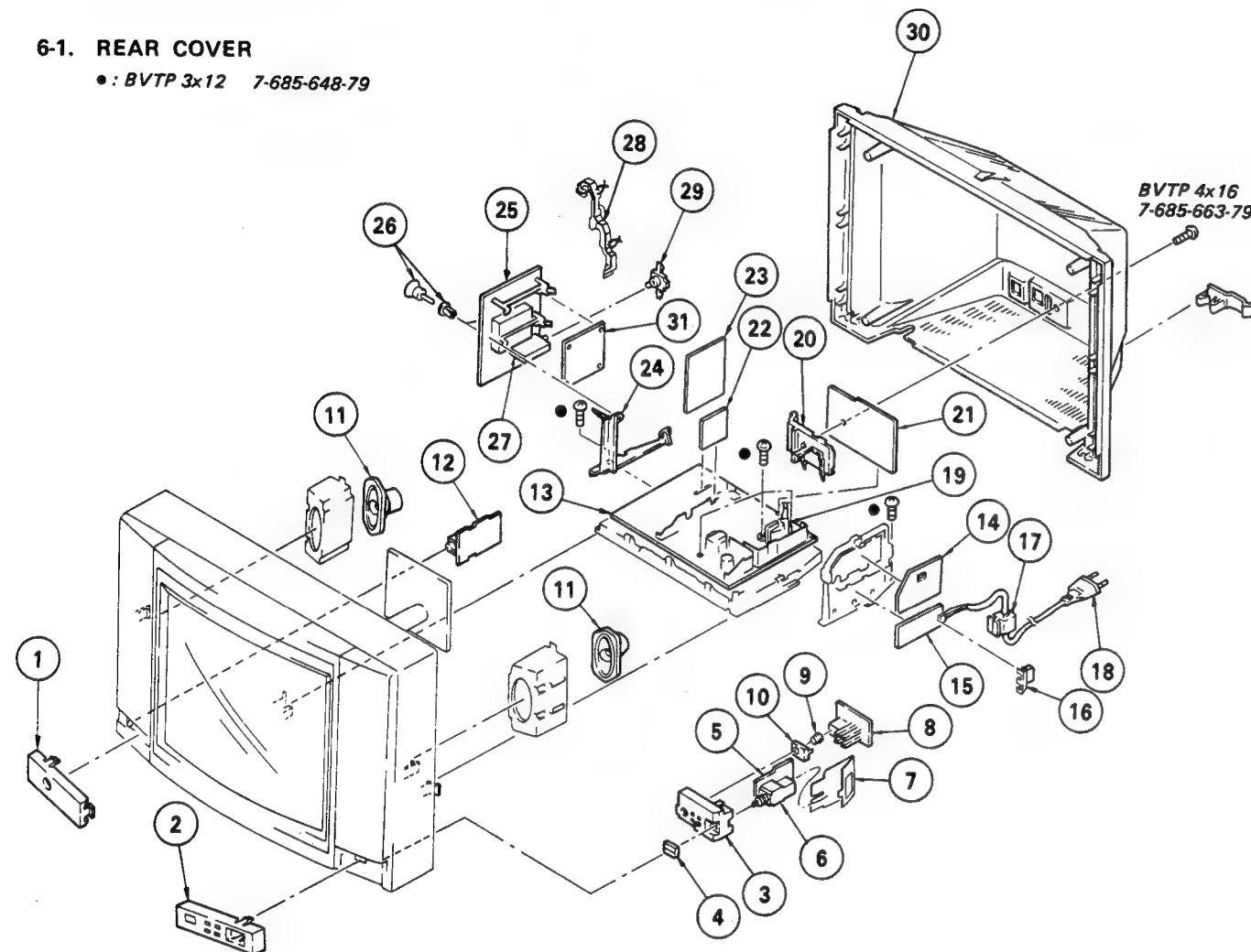
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

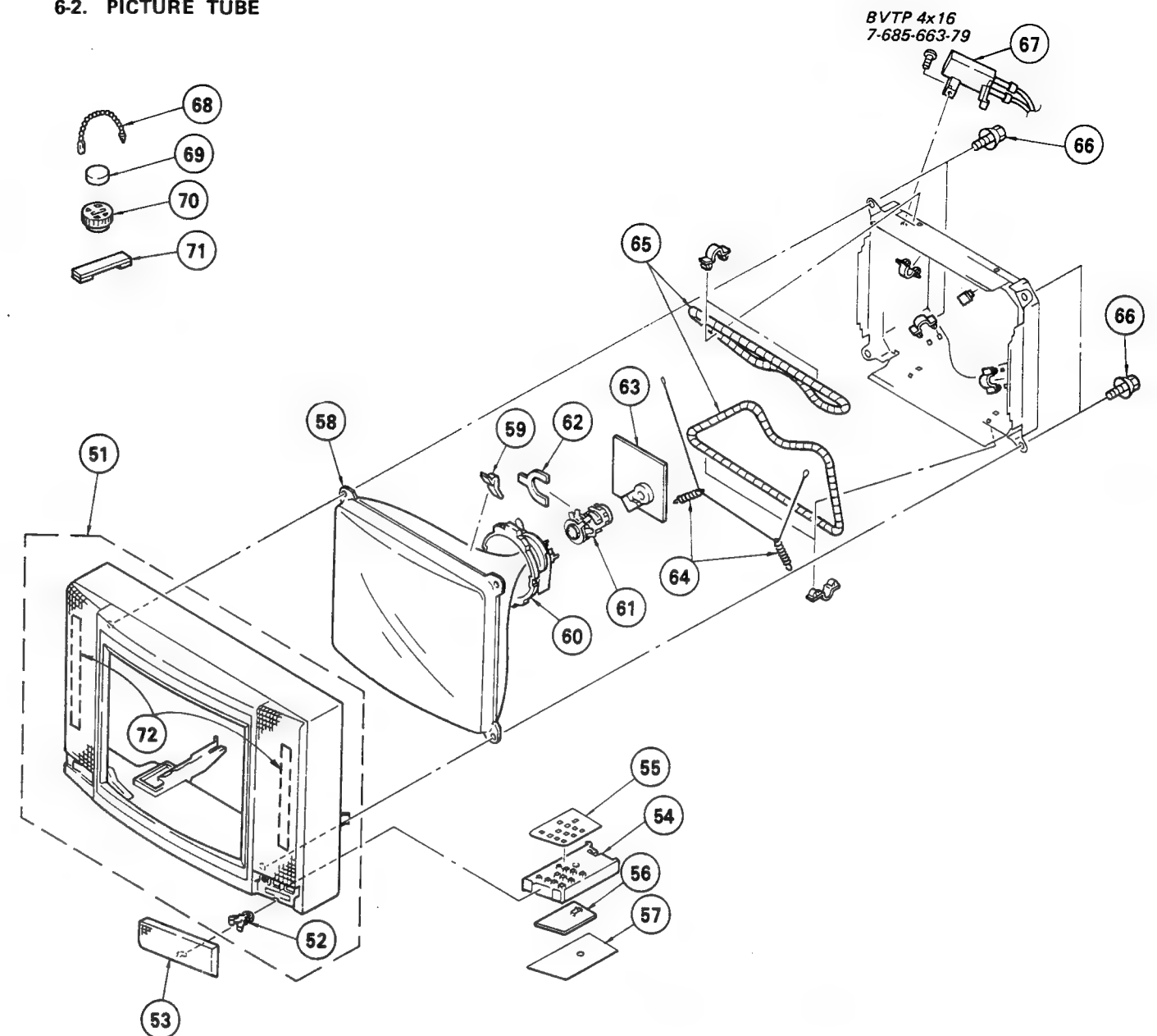
6-1. REAR COVER

★: BVTP 3x12 7-685-648-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-389-112-01	PLATE (B) (BLACK)		16	★4-386-620-02	COVER, POWER	
2	4-389-112-11	PLATE (B) (GRAY)		17	★4-389-201-02	HOLDER, AC CORD	
3	X-4389-101-1	PLATE (A) ASSY (BLACK)		18	★1-559-346-12	CORD, POWER (WITH CONNECTOR) (AEP)	
4	X-4389-101-2	PLATE (A) ASSY (GRAY)		19	★1-559-912-12	CORD, POWER (WITH CONNECTOR) (AUS)	
5	★4-389-124-01	PANEL, POWER SWITCH		20	★1-439-418-21	TRANSFORMER ASSY, FLYBACK (UX-1610)	
6	4-389-106-01	BUTTON, POWER (BLACK)		21	★4-386-624-11	BRACKET, J	
7	4-389-106-11	BUTTON, POWER (GRAY)		22	★A-1371-577-A	J1 BOARD, COMPLETE	
8	★1-629-720-22	F2 BOARD		23	★1-629-781-22	KS BOARD	
9	★1-571-410-11	SWITCH, PUSH (AC POWER) (1 KEY)		24	★A-1135-594-A	B BOARD, COMPLETE	
10	★4-387-804-01	INSULATOR		25	★4-386-629-12	BRACKET, A	
11	★1-629-788-22	H8 BOARD		26	★A-1296-569-A	A BOARD, COMPLETE	
12	★4-374-987-01	GUIDE, LIGHT		27	4-386-618-01	RIVET, T TYPE	
13	★4-388-955-01	BRACKET (B), LIGHT GUIDE		28	★1-465-053-11	TUNER, ET (UV-615S)	
14	1-503-642-41	SPEAKER		29	★4-386-628-11	SUPPORTER, PC BOARD	
15	★1-629-783-22	J2 BOARD		30	★4-386-617-01	HOLDER, TERMINAL	
	★A-1345-764-A	D BOARD, COMPLETE		31	4-389-122-01	COVER, REAR	
	★A-1341-047-A	D1 BOARD, COMPLETE			★A-1347-030-A	V BOARD, COMPLETE	
	★1-629-719-23	F1 BOARD					

6-2. PICTURE TUBE



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	X-4389-104-5	CABINET ASSY (BLACK)	52,72	61	★1-452-391-21	NECK ASSY, PICTURE TUBE (NA305)	
52	X-4389-104-6	CABINET ASSY (GRAY)	52,72	62	1-452-146-21	MAGNET, BMC	
53	4-374-714-01	CATCH, PUSH		63	★A-1330-854-A	C BOARD, COMPLETE	
54	X-4389-102-1	COVER ASSY, ORNAMENTAL (BLACK)		64	4-303-774-99	SPRING	
55	X-4389-102-2	COVER ASSY, ORNAMENTAL (GRAY)		65	★1-426-378-11	COIL, DEMAGNETIZATION	
56	4-389-123-01	PANEL, CONTROL		66	4-374-494-01	SCREW (L), PT	
57	4-389-109-11	LABEL, CONTROL		67	★1-228-544-12	RESISTOR ASSY, HIGH-VOLTAGE	
58	★1-629-787-22	H7 BOARD		68	4-308-870-00	CLIP, LEAD WIRE	
59	★4-389-103-01	COVER, H7		69	1-452-032-00	MAGNET, DISK; 10MM ϕ	
60	★8-736-653-05	PICTURE TUBE (A64JKJ60X)(AEP)		70	1-452-094-00	MAGNET, ROTABLE DISK; 15MM ϕ	
	★8-736-654-05	PICTURE TUBE (A64JKJ10X)(AUS)		71	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
	3-703-003-00	SPACER, DY		72	4-386-645-01	CUSHION, PICTURE TUBE	
	★1-451-255-42	DEFLECTION YOKE (Y27FXA)					

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

SECTION 7

ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark **△** are critical for safety.
Replace only with part number specified.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μ F, PF : μ F

COILS

• MMH : mH, UH : μ H

Note) In this parts list, the mounting diagram is for a different product.
Therefore, an excess of parts is listed.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1135-594-A	B BOARD, COMPLETE *****					
		<CAPACITOR>					
C301	1-106-228-00	MYLAR 0.22MF	10% 100V	C358	1-124-963-11	ELECT 33MF	20% 16V
C302	1-106-228-00	MYLAR 0.22MF	10% 100V	C359	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C303	1-126-101-11	ELECT 100MF	20% 16V	C360	1-163-021-00	CERAMIC CHIP 0.01MF	50V
C304	1-106-228-00	MYLAR 0.22MF	10% 100V	C361	1-163-021-00	CERAMIC CHIP 0.01MF	50V
C305	1-124-119-00	ELECT 330MF	20% 16V				
C306	1-124-902-00	ELECT 0.47MF	20% 50V	C364	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C307	1-124-902-00	ELECT 0.47MF	20% 50V	C365	1-124-477-11	ELECT 47MF	20% 16V
C308	1-124-902-00	ELECT 0.47MF	20% 50V	C366	1-124-477-11	ELECT 47MF	20% 16V
C309	1-124-902-00	ELECT 0.47MF	20% 50V	C367	1-163-021-00	CERAMIC CHIP 0.01MF	50V
C310	1-106-220-00	MYLAR 0.1MF	10% 100V	C368	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C311	1-106-220-00	MYLAR 0.1MF	10% 100V				
C312	1-124-902-00	ELECT 0.47MF	20% 50V	C381	1-124-902-00	ELECT 0.47MF	20% 50V
C313	1-124-902-00	ELECT 0.47MF	20% 50V	C382	1-124-927-11	ELECT 4.7MF	20% 50V
C314	1-124-902-00	ELECT 0.47MF	20% 50V	C384	1-124-477-11	ELECT 47MF	20% 16V
C315	1-124-499-11	ELECT 1MF	20% 50V	C385	1-124-927-11	ELECT 4.7MF	20% 50V
				C386	1-124-927-11	ELECT 4.7MF	20% 50V
C319	1-124-477-11	ELECT 47MF	20% 16V				
C322	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C387	1-124-902-00	ELECT 0.47MF	20% 50V
C325	1-124-477-11	ELECT 47MF	20% 16V	C1311	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C326	1-163-021-00	CERAMIC CHIP 0.01MF	50V	C1313	1-163-107-00	CERAMIC CHIP 39PF	5% 50V
C327	1-163-021-00	CERAMIC CHIP 0.01MF	50V				
						<CONNECTOR>	
C330	1-163-021-00	CERAMIC CHIP 0.01MF	50V	CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
C331	1-124-963-11	ELECT 33MF	20% 16V	CNB72	*1-564-895-11	PLUG, CONNECTOR 6P	
C332	1-124-119-00	ELECT 330MF	20% 16V	CNB73	*1-564-880-31	PLUG, CONNECTOR 3P	
C333	1-163-033-00	CERAMIC CHIP 0.022MF	50V	CNB93	*1-560-278-41	PLUG, CONNECTOR 6P	
C334	1-163-111-00	CERAMIC CHIP 56PF	5% 50V	CNB95	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
C335	1-163-035-00	CERAMIC CHIP 0.047MF	50V			<TRIMMER>	
C336	1-106-367-00	MYLAR 0.01MF	10% 400V	CT331	1-141-181-11	CAP, TRIMMER	
C337	1-163-021-00	CERAMIC CHIP 0.01MF	50V	CT332	1-141-181-11	CAP, TRIMMER	
C338	1-163-113-00	CERAMIC CHIP 68PF	5% 50V				
C339	1-163-119-00	CERAMIC CHIP 120PF	5% 50V			<DIODE>	
C340	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D301	8-719-400-18	DIODE MA152WK	
C341	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D302	8-719-400-18	DIODE MA152WK	
C342	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D303	8-719-400-18	DIODE MA152WK	
C343	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D304	8-719-400-18	DIODE MA152WK	
C344	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D305	8-719-400-18	DIODE MA152WK	
C345	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D307	8-719-106-62	DIODE RD11M-B2	
C346	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D309	8-719-400-18	DIODE MA152WK	
C347	1-124-499-11	ELECT 1MF	20% 50V	D310	8-719-106-62	DIODE RD11M-B2	
C348	1-124-499-11	ELECT 1MF	20% 50V	D311	8-719-106-62	DIODE RD11M-B2	
C349	1-136-173-00	FILM 0.47MF	5% 50V	D312	8-719-106-62	DIODE RD11M-B2	
C350	1-106-383-00	MYLAR 0.047MF	10% 100V	D313	8-719-106-62	DIODE RD11M-B2	
C351	1-106-375-12	MYLAR 0.022MF	10% 250V	D314	8-719-800-76	DIODE 1SS226	
C352	1-106-375-12	MYLAR 0.022MF	10% 250V	D315	8-719-800-76	DIODE 1SS226	
C354	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D316	8-719-800-76	DIODE 1SS226	
C355	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D331	8-719-400-18	DIODE MA152WK	
C357	1-163-107-00	CERAMIC CHIP 39PF	5% 50V	D333	8-719-400-18	DIODE MA152WK	
				D341	8-719-400-18	DIODE MA152WK	

B

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<DELAY LINE>				JW1314	1-216-296-00	METAL GLAZE 0 5% 1/8W	
DL331	1-415-122-00	DELAY LINE		JW1315	1-216-295-00	METAL GLAZE 0 5% 1/10W	
DL332	1-236-062-11	MODULE, Y DELAY LINE		JW1316	1-216-296-00	METAL GLAZE 0 5% 1/8W	
<IC>				JW1317	1-216-296-00	METAL GLAZE 0 5% 1/8W	
IC301	8-759-979-85	IC TDA4580-V4		JW1319	1-216-295-00	METAL GLAZE 0 5% 1/10W	
IC302	8-759-980-60	IC TDA8442-N3		JW1320	1-216-295-00	METAL GLAZE 0 5% 1/10W	
IC331	8-759-947-20	IC TDA4555-V8		R301	1-216-033-00	METAL GLAZE 220 5% 1/10W	
IC1301	1-235-534-11	CONTROL MODULE, PICTURE		R302	1-216-033-00	METAL GLAZE 220 5% 1/10W	
<COIL>				R303	1-216-033-00	METAL GLAZE 220 5% 1/10W	
L301	1-410-868-21	INDUCTOR 4.7UH		R304	1-216-033-00	METAL GLAZE 220 5% 1/10W	
L302	1-410-868-21	INDUCTOR 4.7UH		R305	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
L304	1-408-409-00	INDUCTOR 10UH		R307	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
L331	1-408-408-00	INDUCTOR 8.2UH		R308	1-216-043-00	METAL GLAZE 560 5% 1/10W	
L332	1-404-539-11	COIL		R309	1-216-025-00	METAL GLAZE 100 5% 1/10W	
L333	1-404-554-11	COIL		R310	1-216-025-00	METAL GLAZE 100 5% 1/10W	
L334	1-404-554-11	COIL		R311	1-216-025-00	METAL GLAZE 100 5% 1/10W	
L335	1-404-554-11	COIL		R312	1-216-033-00	METAL GLAZE 220 5% 1/10W	
L336	1-408-417-00	INDUCTOR 47UH		R313	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
L338	1-408-416-00	INDUCTOR 39UH		R314	1-216-041-00	METAL GLAZE 470 5% 1/10W	
L339	1-410-868-21	INDUCTOR 4.7UH		R315	1-216-029-00	METAL GLAZE 150 5% 1/10W	
<TRANSISTOR>				R316	1-216-029-00	METAL GLAZE 150 5% 1/10W	
Q302	8-729-271-22	TRANSISTOR 2SC2712G		R317	1-216-029-00	METAL GLAZE 150 5% 1/10W	
Q303	8-729-271-22	TRANSISTOR 2SC2712G		R318	1-216-222-00	METAL GLAZE 10K 5% 1/8W	
Q305	8-729-901-00	TRANSISTOR DTC124EK		R319	1-216-033-00	METAL GLAZE 220 5% 1/10W	
Q306	8-729-271-22	TRANSISTOR 2SC2712G		R320	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
Q311	8-729-271-22	TRANSISTOR 2SC2712G		R321	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
Q312	8-729-271-22	TRANSISTOR 2SC2712G		R322	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
Q313	8-729-271-22	TRANSISTOR 2SC2712G		R323	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
Q316	8-729-271-22	TRANSISTOR 2SC2712G		R324	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
Q331	8-729-271-22	TRANSISTOR 2SC2712G		R325	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q332	8-729-901-00	TRANSISTOR DTC124EK		R326	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
Q333	8-729-901-00	TRANSISTOR DTC124EK		R327	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
Q334	8-729-271-22	TRANSISTOR 2SC2712G		R328	1-216-009-00	METAL GLAZE 22 5% 1/10W	
Q335	8-729-271-22	TRANSISTOR 2SC2712G		R329	1-216-009-00	METAL GLAZE 22 5% 1/10W	
Q381	8-729-901-00	TRANSISTOR DTC124EK		R330	1-216-009-00	METAL GLAZE 22 5% 1/10W	
Q382	8-729-271-22	TRANSISTOR 2SC2712G		R331	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
Q1305	8-729-271-22	TRANSISTOR 2SC2712G		R332	1-216-017-00	METAL GLAZE 47 5% 1/10W	
Q1306	8-729-216-22	TRANSISTOR 2SA1162		R333	1-216-039-00	METAL GLAZE 390 5% 1/10W	
<RESISTOR>				R334	1-216-031-00	METAL GLAZE 180 5% 1/10W	
JW303	1-216-295-00	METAL GLAZE 0 5% 1/10W		R335	1-216-045-00	METAL GLAZE 680 5% 1/10W	
JW306	1-216-295-00	METAL GLAZE 0 5% 1/10W		R336	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
JW307	1-216-295-00	METAL GLAZE 0 5% 1/10W		R337	1-216-066-00	METAL GLAZE 5.1K 5% 1/10W	
JW1301	1-216-296-00	METAL GLAZE 0 5% 1/8W		R338	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW1302	1-216-296-00	METAL GLAZE 0 5% 1/8W		R339	1-216-033-00	METAL GLAZE 220 5% 1/10W	
JW1303	1-216-295-00	METAL GLAZE 0 5% 1/10W		R340	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
JW1304	1-216-295-00	METAL GLAZE 0 5% 1/10W		R341	1-216-035-00	METAL GLAZE 270 5% 1/10W	
JW1305	1-216-296-00	METAL GLAZE 0 5% 1/8W		R342	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW1306	1-216-296-00	METAL GLAZE 0 5% 1/8W		R343	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW1307	1-216-295-00	METAL GLAZE 0 5% 1/10W		R344	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
JW1308	1-216-296-00	METAL GLAZE 0 5% 1/8W		R346	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W	
JW1309	1-216-296-00	METAL GLAZE 0 5% 1/8W		R347	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW1310	1-216-296-00	METAL GLAZE 0 5% 1/8W		R348	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
JW1311	1-216-295-00	METAL GLAZE 0 5% 1/10W		R352	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
JW1312	1-216-295-00	METAL GLAZE 0 5% 1/10W		R353	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
JW1313	1-216-295-00	METAL GLAZE 0 5% 1/10W		R354	1-216-033-00	METAL GLAZE 220 5% 1/10W	
				R355	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
				R356	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
				R357	1-216-033-00	METAL GLAZE 220 5% 1/10W	
				R358	1-216-033-00	METAL GLAZE 220 5% 1/10W	
				R359	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
				R360	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
				R361	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
				R363	1-216-035-00	METAL GLAZE 270 5% 1/10W	
				R364	1-216-049-00	METAL GLAZE 1K 5% 1/10W	

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-C2721D
RM-670/673

B

F1

F2

A

REF.NO.	PART NO.	DESCRIPTION	REMARK
R365	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R367	1-216-033-00	METAL GLAZE 220 5%	1/10W
R368	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R369	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R370	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R371	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R376	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R378	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R379	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R380	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R381	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R382	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R383	1-216-111-00	METAL GLAZE 390K 5%	1/10W
R385	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R386	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R389	1-216-101-00	METAL GLAZE 150K 5%	1/10W
R391	1-216-023-00	METAL GLAZE 82 5%	1/10W
R392	1-216-019-00	METAL GLAZE 56 5%	1/10W
R393	1-216-019-00	METAL GLAZE 56 5%	1/10W
R394	1-216-019-00	METAL GLAZE 56 5%	1/10W
R398	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R1301	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1302	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1303	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R1304	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R1324	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W

<VARIABLE RESISTOR>

RV331 1-238-009-11 RES. ADJ. CARBON 220

<TRANSFORMER>

T331 1-404-584-11 COIL

<CRYSTAL>

X331 1-567-307-11 OSCILLATOR, CRYSTAL
X332 1-567-131-00 OSCILLATOR, CRYSTAL

*1-629-719-23 F1 BOARD

<CAPACITOR>

C1601A 1-136-518-11 FILM 0.33MF 20% 300V
C1602A 1-136-519-11 FILM 0.47MF 20% 300V
C1603A 1-162-578-51 CERAMIC 0.0047MF 20% 400V
C1604A 1-162-578-51 CERAMIC 0.0047MF 20% 400V
C1605A 1-162-578-51 CERAMIC 0.0047MF 20% 400V
C1606A 1-162-578-51 CERAMIC 0.0047MF 20% 400V
C1607A 1-161-964-61 CERAMIC 0.0047MF 250V

<CONNECTOR>

CNF61 *1-566-664-11 PIN, CONNECTOR 4P
CNF64 *1-506-348-99 PIN, CONNECTOR 3P
CNF65 *1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P
CNF66 *1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P
CNF67 *1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)
CNF162*1-506-348-99 PIN, CONNECTOR 4P

REF.NO. PART NO. DESCRIPTION REMARK

<FUSE>

F1601A 1-532-350-11 FUSE, TIME-LAG 4A/250V
1-533-087-00 HOLDER, FUSE; F1601

<TRANSFORMER>

LF1601A 1-421-866-12 LFT
LF1602A 1-421-776-11 LFT
LF1603A 1-421-592-21 TRANSFORMER, FERRITE

<RESISTOR>

R1601A 1-246-513-75 CARBON 47K 5% 1/4W
R1602A 1-244-945-91 CARBON 1M 5% 1/2W
R1603A 1-217-328-11 WIREWOUND 2.7 10% 7W F
R1604A 1-246-513-75 CARBON 47K 5% 1/4W
R1605A 1-218-265-91 METAL GLAZE 8.2M 5% 1W

<THERMISTOR>

THP601A 1-808-059-31 THERMISTOR, POSITIVE

*1-629-720-22 F2 BOARD

1-506-348-99 PIN, CONNECTOR 4P

<SWITCH>

S1701A 1-571-410-11 SWITCH, PUSH (AC POWER) (1 KEY)

*A-1296-569-A A BOARD, COMPLETE

*4-380-698-01 CASE (MAIN), SHIELD, A1
*4-380-699-01 CASE (UPPER LID), SHIELD, A1
*4-382-701-01 CASE (BOTTOM LID), SHIELD, A2

<CAPACITOR>

C101 1-126-233-11 ELECT 22MF 20% 50V
C102 1-126-103-11 ELECT 470MF 20% 16V
C103 1-106-220-00 MYLAR 0.1MF 10% 100V
C104 1-106-216-00 MYLAR 0.068MF 10% 100V
C105 1-106-216-00 MYLAR 0.068MF 10% 100V
C106 1-101-004-00 CERAMIC 0.01MF 50V
C107 1-102-963-00 CERAMIC 33PF 5% 50V
C108 1-124-963-11 ELECT 33MF 20% 16V
C109 1-101-003-00 CERAMIC 0.0047MF 50V
C110 1-124-499-11 ELECT 1MF 20% 50V
C111 1-101-003-00 CERAMIC 0.0047MF 50V
C112 1-101-003-00 CERAMIC 0.0047MF 50V
C113 1-101-003-00 CERAMIC 0.0047MF 50V
C114 1-124-963-11 ELECT 33MF 20% 16V
C118 1-101-880-00 CERAMIC 47PF 5% 50V
C119 1-126-101-11 ELECT 100MF 20% 16V
C120 1-124-925-11 ELECT 2.2MF 20% 50V
C121 1-101-003-00 CERAMIC 0.0047MF 50V
C122 1-101-003-00 CERAMIC 0.0047MF 50V
C123 1-106-351-00 MYLAR 0.0022MF 10% 100V
C124 1-101-888-00 CERAMIC 68PF 5% 50V

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C125	1-101-888-00	CERAMIC	68PF	5%	50V		
C127	1-101-003-00	CERAMIC	0.0047MF		50V		
C128	1-124-963-11	ELECT	33MF	20%	16V		
C129	1-101-888-00	CERAMIC	68PF	5%	50V		
C130	1-101-004-00	CERAMIC	0.01MF		50V		
C131	1-101-006-00	CERAMIC	0.047MF		50V		
C132	1-124-499-11	ELECT	1MF	20%	50V		
C133	1-101-003-00	CERAMIC	0.0047MF		50V		
C134	1-124-499-11	ELECT	1MF	20%	50V		
C135	1-101-004-00	CERAMIC	0.01MF		50V		
C136	1-101-006-00	CERAMIC	0.047MF		50V		
C137	1-101-880-00	CERAMIC	47PF	5%	50V		
C138	1-124-925-11	ELECT	2.2MF	20%	50V		
C139	1-123-875-11	ELECT	10MF	20%	50V		
C140	1-108-614-11	MYLAR	0.001MF	10%	100V		
C141	1-136-298-00	FILM	0.0033MF	2%	100V		
C142	1-102-816-00	CERAMIC	120PF	5%	50V		
C143	1-101-361-00	CERAMIC	150PF	5%	50V		
C144	1-124-477-11	ELECT	47MF	20%	16V		
C145	1-124-477-11	ELECT	47MF	20%	16V		
C146	1-124-477-11	ELECT	47MF	20%	16V		
C147	1-124-477-11	ELECT	47MF	20%	16V		
C148	1-123-875-11	ELECT	10MF	20%	50V		
C149	1-136-153-00	FILM	0.01MF	5%	50V		
C150	1-136-153-00	FILM	0.01MF	5%	50V		
C151	1-126-233-11	ELECT	22MF	20%	50V		
C152	1-126-233-11	ELECT	22MF	20%	50V		
C153	1-136-165-00	FILM	0.1MF	5%	50V		
C154	1-136-169-00	FILM	0.22MF	5%	50V		
C155	1-124-963-11	ELECT	33MF	20%	16V		
C156	1-136-157-00	FILM	0.022MF	5%	50V		
C157	1-136-161-00	FILM	0.047MF	5%	50V		
C158	1-124-963-11	ELECT	33MF	20%	16V		
C159	1-124-477-11	ELECT	47MF	20%	16V		
C161	1-124-477-11	ELECT	47MF	20%	16V		
C162	1-102-816-00	CERAMIC	120PF	5%	50V		
C163	1-124-927-11	ELECT	4.7MF	20%	50V		
C164	1-106-367-00	MYLAR	0.01MF	10%	400V		
C165	1-136-287-11	FILM	0.0047MF	5%	50V		
C167	1-124-499-11	ELECT	1MF	20%	50V		
C168	1-106-228-00	MYLAR	0.22MF	10%	100V		
C169	1-123-875-11	ELECT	10MF	20%	50V		
C174	1-124-499-11	ELECT	1MF	20%	50V		
C177	1-102-119-00	CERAMIC	0.0015MF	10%	50V		
C186	1-101-004-00	CERAMIC	0.01MF		50V		
C187	1-101-003-00	CERAMIC	0.0047MF		50V		
C188	1-124-963-11	ELECT	33MF	20%	16V		
C189	1-124-963-11	ELECT	33MF	20%	16V		
C190	1-106-220-00	MYLAR	0.1MF	10%	100V		
<FILTER>				<RESISTOR>			
CD102	1-404-745-11	DISCRIMINATOR, CERAMIC		R101	1-249-405-11	CARBON	100 5% 1/4W
CD103	1-404-746-11	DISCRIMINATOR, CERAMIC		R102	1-249-423-11	CARBON	3.3K 5% 1/4W
CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)		R103	1-249-433-11	CARBON	22K 5% 1/4W
CF103	1-527-840-00	FILTER, CERAMIC		R104	1-249-429-11	CARBON	10K 5% 1/4W
CF104	1-527-839-00	FILTER, CERAMIC		R105	1-249-418-11	CARBON	1.2K 5% 1/4W
SWF101	1-577-254-11	SAWF		R106	1-247-891-00	CARBON	330K 5% 1/4W
<CONNECTOR>				R107	1-249-421-11	CARBON	2.2K 5% 1/4W
CNA11	*1-566-659-11	CONNECTOR, HINGE (SOCKET) 18P		R108	1-249-421-11	CARBON	2.2K 5% 1/4W
CNA16	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		R109	1-249-423-11	CARBON	3.3K 5% 1/4W
CNA17	*1-564-886-21	PLUG, CONNECTOR 9P		R110	1-249-410-11	CARBON	270 5% 1/4W
				R111	1-249-416-11	CARBON	820 5% 1/4W
				R112	1-249-421-11	CARBON	2.2K 5% 1/4W

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

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A

C

REF. NO.	PART NO.	DESCRIPTION	REMARK
R114	1-249-413-11	CARBON 470 5% 1/4W	
R115	1-249-413-11	CARBON 470 5% 1/4W	
R116	1-249-419-11	CARBON 1.5K 5% 1/4W	
R117	1-249-431-11	CARBON 15K 5% 1/4W	
R118	1-249-425-11	CARBON 4.7K 5% 1/4W	
R119	1-249-417-11	CARBON 1K 5% 1/4W	
R121	1-249-429-11	CARBON 10K 5% 1/4W	
R122	1-249-436-11	CARBON 39K 5% 1/4W	
R123	1-249-417-11	CARBON 1K 5% 1/4W	
R124	1-249-423-11	CARBON 3.3K 5% 1/4W	
R125	1-249-429-11	CARBON 10K 5% 1/4W	
R127	1-249-432-11	CARBON 18K 5% 1/4W	
R128	1-249-432-11	CARBON 18K 5% 1/4W	
R129	1-249-429-11	CARBON 10K 5% 1/4W	
R130	1-249-429-11	CARBON 10K 5% 1/4W	
R132	1-249-414-11	CARBON 560 5% 1/4W	
R133	1-249-425-11	CARBON 4.7K 5% 1/4W	
R134	1-249-414-11	CARBON 560 5% 1/4W	
R135	1-249-419-11	CARBON 1.5K 5% 1/4W	
R136	1-249-414-11	CARBON 560 5% 1/4W	
R137	1-249-414-11	CARBON 560 5% 1/4W	
R138	1-249-419-11	CARBON 1.5K 5% 1/4W	
R139	1-249-431-11	CARBON 15K 5% 1/4W	
R140	1-249-441-11	CARBON 100K 5% 1/4W	
R141	1-249-425-11	CARBON 4.7K 5% 1/4W	
R142	1-249-441-11	CARBON 100K 5% 1/4W	
R143	1-249-441-11	CARBON 100K 5% 1/4W	
R144	1-249-422-11	CARBON 2.7K 5% 1/4W	
R146	1-249-424-11	CARBON 3.9K 5% 1/4W	
R148	1-249-413-11	CARBON 470 5% 1/4W	
R150	1-249-423-11	CARBON 3.3K 5% 1/4W	
R151	1-249-423-11	CARBON 3.3K 5% 1/4W	
R152	1-249-431-11	CARBON 15K 5% 1/4W	
R153	1-249-416-11	CARBON 820 5% 1/4W	
R154	1-249-441-11	CARBON 100K 5% 1/4W	
R155	1-249-430-11	CARBON 12K 5% 1/4W	
R156	1-247-881-00	CARBON 120K 5% 1/4W	
R161	1-249-427-11	CARBON 6.8K 5% 1/4W	
R163	1-249-424-11	CARBON 3.9K 5% 1/4W	
R165	1-249-423-11	CARBON 3.3K 5% 1/4W	
R166	1-249-437-11	CARBON 47K 5% 1/4W	
R171	1-249-417-11	CARBON 1K 5% 1/4W	
R174	1-249-429-11	CARBON 10K 5% 1/4W	
R175	1-249-429-11	CARBON 10K 5% 1/4W	
R177	1-249-417-11	CARBON 1K 5% 1/4W	
R178	1-249-401-11	CARBON 47 5% 1/4W	
R179	1-249-401-11	CARBON 47 5% 1/4W	
R188	1-249-419-11	CARBON 1.5K 5% 1/4W	
R189	1-249-419-11	CARBON 1.5K 5% 1/4W	

<VARIABLE RESISTOR>

RV101	1-237-753-11	RES, ADJ, CARBON 47K
RV102	1-237-751-11	RES, ADJ, CARBON 10K
RV103	1-237-753-11	RES, ADJ, CARBON 47K

<TRANSFORMER>

T101	1-404-493-00	COIL
T102	1-404-493-00	COIL
T103	1-404-493-00	COIL

<TUNER>

TU101A	1-465-053-11	TUNER, ET (UV-615S)
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REF. NO. PART NO. DESCRIPTION REMARK

*A-1330-854-A C BOARD, COMPLETE

<CAPACITOR>

C703	1-102-980-00	CERAMIC 270PF 5% 50V
C704	1-102-116-00	CERAMIC 680PF 10% 50V
C705	1-102-978-00	CERAMIC 220PF 5% 50V
C706	1-102-116-00	CERAMIC 680PF 10% 50V
C709	1-102-116-00	CERAMIC 680PF 10% 50V
C710	1-123-947-00	ELECT 10MF 20% 250V
C711	1-101-880-00	CERAMIC 47PF 5% 50V
C712	1-102-980-00	CERAMIC 270PF 5% 50V
C714	1-124-360-00	ELECT 1000MF 20% 16V
C717	1-102-114-00	CERAMIC 470PF 10% 50V
C718	1-102-114-00	CERAMIC 470PF 10% 50V
C719	1-102-114-00	CERAMIC 470PF 10% 50V
C741	1-136-601-11	FILM 0.01MF 10% 630V
C742	1-162-116-00	CERAMIC 680PF 10% 2KV
C751	1-101-361-00	CERAMIC 150PF 5% 50V
C752	1-106-373-00	MYLAR 0.018MF 10% 250V
C753	1-106-367-00	MYLAR 0.01MF 10% 400V
C754	1-102-980-00	CERAMIC 270PF 5% 50V
C757	1-108-692-11	MYLAR 0.01MF 10% 200V
C759	1-123-875-11	ELECT 10MF 20% 50V
C760	1-124-917-11	ELECT 33MF 20% 50V
C761	1-101-006-00	CERAMIC 0.047MF 50V
C762	1-106-367-00	MYLAR 0.01MF 10% 400V

<CONNECTOR>

PNC71	*1-506-348-99	PIN, CONNECTOR 3P
CNC72	*1-564-883-11	PLUG, CONNECTOR 6P
CNC73	*1-564-880-31	PLUG, CONNECTOR 3P
CNC75	*1-564-879-11	PLUG, CONNECTOR 2P
CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)
CNC82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
CNC87	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P

<DIODE>

D701	8-719-110-14	DIODE RD9.1ES-B3
D702	8-719-911-19	DIODE 1SS119
D703	8-719-911-19	DIODE 1SS119
D704	8-719-911-19	DIODE 1SS119
D705	8-719-911-19	DIODE 1SS119
D706	8-719-911-19	DIODE 1SS119
D707	8-719-911-19	DIODE 1SS119
D708	8-719-911-19	DIODE 1SS119
D709	8-719-911-19	DIODE 1SS119
D710	8-719-911-19	DIODE 1SS119
D711	8-719-300-33	DIODE RU-3AM
D713	8-719-911-19	DIODE 1SS119

<JACK>

J701	1-526-644-51	SOCKET, PICTURE TUBE
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<COIL>

L704	1-410-878-21	INDUCTOR 33UH
L751	1-408-413-00	INDUCTOR 22UH

C

D1

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<TRANSISTOR>				R762	1-247-895-00	CARBON 470K 5%	1/4W
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE		R763	1-249-429-11	CARBON 10K 5%	1/4W
Q703	8-729-326-11	TRANSISTOR 2SC2611		R764	1-249-455-11	CARBON 4.7 5%	1/4W F
	*4-386-664-01	SPRING; Q703		R765	1-249-455-11	CARBON 4.7 5%	1/4W F
Q704	8-729-200-17	TRANSISTOR 2SA1091		R766	1-247-753-11	CARBON 1.2K 5%	1/2W
Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE		R767	1-247-751-11	CARBON 820 5%	1/2W
Q706	8-729-326-11	TRANSISTOR 2SC2611		R768	1-215-887-00	METAL OXIDE 150 5%	2W F
	*4-386-664-01	SPRING; Q706		R769	1-212-889-00	FUSIBLE 220 5%	1/4W F
Q707	8-729-200-17	TRANSISTOR 2SA1091		R770	1-212-869-00	FUSIBLE 33 5%	1/4W F
Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE		<VARIABLE RESISTOR>			
Q709	8-729-326-11	TRANSISTOR 2SC2611		RV703	1-237-749-11	RES, ADJ, CARBON 2200	
	*4-386-664-01	SPRING; Q709		RV704	1-237-749-11	RES, ADJ, CARBON 2200	
Q710	8-729-200-17	TRANSISTOR 2SA1091		RV741	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
Q751	8-729-119-78	TRANSISTOR 2SC2785-HFE		<SPARK GAP>			
Q752	8-729-119-78	TRANSISTOR 2SC2785-HFE		SG701	1-519-063-99	DISCHARGING GAP	
Q753	8-729-140-97	TRANSISTOR 2SB734-34		SG702	1-519-063-99	DISCHARGING GAP	
Q754	8-729-140-96	TRANSISTOR 2SD774-34		SG703	1-519-063-99	DISCHARGING GAP	
<RESISTOR>				*****			
R704	1-216-486-00	METAL OXIDE 8.2K 5%	3W F	*A-1341-047-A D1 BOARD, COMPLETE			
R705	1-202-824-00	SOLID 3.3K 10%	1/2W	*****			
R706	1-249-409-11	CARBON 220 5%	1/4W	<CAPACITOR>			
R707	1-249-412-11	CARBON 390 5%	1/4W	C5001	1-124-122-11	ELECT 100MF 20%	50V
R708	1-249-401-11	CARBON 47 5%	1/4W	C5002	1-124-122-11	ELECT 100MF 20%	50V
R710	1-215-465-00	METAL 68K 1%	1/6W	C5003	1-126-233-11	ELECT 22MF 20%	50V
R712	1-249-417-11	CARBON 1K 5%	1/4W	C5004	1-102-030-00	CERAMIC 330PF 10%	500V
R713	1-215-471-00	METAL 120K 1%	1/6W	C5005	1-129-741-00	FILM 0.015MF 10%	400V
R714	1-216-486-00	METAL OXIDE 8.2K 5%	3W F	C5006	1-124-342-00	ELECT 3.3MF 20%	160V
R715	1-202-824-00	SOLID 3.3K 10%	1/2W	C5007	1-126-101-11	ELECT 100MF 20%	16V
R716	1-249-409-11	CARBON 220 5%	1/4W	C5008	1-102-157-00	CERAMIC 560PF 10%	500V
R717	1-249-415-11	CARBON 680 5%	1/4W	C5009	1-108-619-11	MYLAR 0.0027MF 10%	100V
R719	1-249-401-11	CARBON 47 5%	1/4W	C5010	1-124-963-11	ELECT 33MF 20%	16V
R720	1-249-423-11	CARBON 3.3K 5%	1/4W	C5011	1-108-702-11	MYLAR 0.068MF 10%	200V
R723	1-249-417-11	CARBON 1K 5%	1/4W	C5012	1-130-783-00	MYLAR 0.33MF 10%	100V
R726	1-202-824-00	SOLID 3.3K 10%	1/2W	C5013	1-124-934-11	ELECT 330MF 20%	100V
R727	1-249-409-11	CARBON 220 5%	1/4W	C5014	1-131-349-00	TANTALUM 2.2MF 10%	35V
R728	1-216-350-11	METAL OXIDE 1.2 5%	1W F	C5016	1-106-383-00	MYLAR 0.047MF 10%	100V
R729	1-249-416-11	CARBON 820 5%	1/4W	C5017	1-126-101-11	ELECT 100MF 20%	16V
R730	1-249-401-11	CARBON 47 5%	1/4W	C5018	1-126-233-11	ELECT 22MF 20%	50V
R731	1-249-423-11	CARBON 3.3K 5%	1/4W	C5019	1-124-925-11	ELECT 2.2MF 20%	50V
R732	1-249-415-11	CARBON 680 5%	1/4W	C5020	1-126-233-11	ELECT 22MF 20%	50V
R733	1-249-415-11	CARBON 680 5%	1/4W	C5021	1-123-382-00	ELECT 3.3MF 20%	50V
R734	1-249-405-11	CARBON 100 5%	1/4W	C5022	1-124-122-11	ELECT 100MF 20%	50V
R735	1-215-493-00	METAL 1M 1%	1/6W	C5023	1-124-477-11	ELECT 47MF 20%	16V
R736	1-216-486-00	METAL OXIDE 8.2K 5%	3W F	C5024	1-124-122-11	ELECT 100MF 20%	50V
R737	1-215-481-00	METAL 330K 1%	1/6W	C5025	1-106-363-00	MYLAR 0.0068MF 10%	400V
R739	1-249-417-11	CARBON 1K 5%	1/4W	C5026	1-106-379-12	MYLAR 0.033MF 10%	250V
R742	1-202-838-00	SOLID 100K 10%	1/2W	C5027	1-106-218-00	MYLAR 0.082MF 10%	100V
R744	1-202-844-00	SOLID 330K 10%	1/2W	C5028	1-123-875-11	ELECT 10MF 20%	50V
R745	1-202-842-11	SOLID 220K 10%	1/2W	C5029	1-106-375-12	MYLAR 0.022MF 10%	250V
R751	1-249-418-11	CARBON 1.2K 5%	1/4W	C5030	1-106-361-00	MYLAR 0.0056MF 10%	400V
R752	1-249-426-11	CARBON 5.6K 5%	1/4W	C5031	1-130-736-11	FILM 0.01MF 5%	100V
R753	1-249-414-11	CARBON 560 5%	1/4W	C5034	1-131-349-00	TANTALUM 2.2MF 10%	35V
R754	1-249-434-11	CARBON 27K 5%	1/4W	<CONNECTOR>			
R755	1-249-405-11	CARBON 100 5%	1/4W	CND185*1-508-766-00	PIN, CONNECTOR (5MM PITCH)	4P	
R756	1-249-419-11	CARBON 1.5K 5%	1/4W	CND186*1-508-767-00	PIN, CONNECTOR (5MM PITCH)	5P	
R757	1-249-405-11	CARBON 100 5%	1/4W				
R758	1-249-409-11	CARBON 220 5%	1/4W				
R760	1-249-411-11	CARBON 330 5%	1/4W				
R761	1-249-429-11	CARBON 10K 5%	1/4W				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
C026	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C616	1-102-030-00	CERAMIC	330PF	10%	500V
C027	1-106-220-00	MYLAR	0.1MF	10%	100V	C618	1-124-637-11	ELECT	1000MF	20%	50V
C028	1-101-361-00	CERAMIC	150PF	5%	50V	C619	1-124-556-11	ELECT	2200MF	20%	16V
C029	1-102-121-00	CERAMIC	0.0022MF	10%	50V	C620	1-102-074-00	CERAMIC	0.001MF	10%	50V
C031	1-124-120-11	ELECT	220MF	20%	16V	C621	1-124-347-00	ELECT	100MF	20%	160V
C032	1-102-978-00	CERAMIC	220PF	5%	50V	C622	1-124-556-11	ELECT	2200MF	20%	16V
C251	1-124-927-11	ELECT	4.7MF	20%	50V	C623	1-124-910-11	ELECT	47MF	20%	50V
C252	1-124-927-11	ELECT	4.7MF	20%	50V	C624	1-124-122-11	ELECT	100MF	20%	50V
C253	1-124-122-11	ELECT	100MF	20%	50V	C625	1-124-360-00	ELECT	1000MF	20%	16V
C254	1-124-927-11	ELECT	4.7MF	20%	50V	C626	1-123-875-11	ELECT	10MF	20%	50V
C255	1-124-927-11	ELECT	4.7MF	20%	50V	C627	1-102-074-00	CERAMIC	0.001MF	10%	50V
C256	1-106-220-00	MYLAR	0.1MF	10%	100V	C631	1-123-875-11	ELECT	10MF	20%	50V
C257	1-101-004-00	CERAMIC	0.01MF	50V		C632	1-102-074-00	CERAMIC	0.001MF	10%	50V
C258	1-106-220-00	MYLAR	0.1MF	10%	100V	C633	1-124-927-11	ELECT	4.7MF	20%	50V
C260	1-106-220-00	MYLAR	0.1MF	10%	100V	C636	1-123-382-00	ELECT	3.3MF	20%	50V
C265	1-102-074-00	CERAMIC	0.001MF	10%	50V	C801	1-124-913-11	ELECT	470MF	20%	50V
C266	1-102-074-00	CERAMIC	0.001MF	10%	50V	C802	1-102-030-00	CERAMIC	330PF	10%	500V
C401	1-124-910-11	ELECT	47MF	20%	50V	C804	1-123-948-00	ELECT	22MF	20%	250V
C403	1-124-910-11	ELECT	47MF	20%	50V	C805	1-162-114-00	CERAMIC	0.0047MF		2KV
C501	1-124-927-11	ELECT	4.7MF	20%	50V	C806	1-106-220-00	MYLAR	0.1MF	10%	100V
C502	1-124-927-11	ELECT	4.7MF	20%	50V	C807	1-106-395-00	MYLAR	0.15MF	10%	200V
C503	1-106-371-00	MYLAR	0.015MF	10%	400V	C810	1-124-494-00	ELECT	33MF		160V
C504	1-101-361-00	CERAMIC	150PF	5%	50V	C811	1-136-113-00	FILM	2MF	5%	200V
C505	1-108-794-11	MYLAR	0.0015MF	5%	50V	C812	1-124-634-11	ELECT	1MF	20%	250V
C506	1-106-375-12	MYLAR	0.022MF	10%	250V	C813	1-102-212-00	CERAMIC	820PF	10%	500V
C507	1-130-783-00	MYLAR	0.33MF	10%	100V	C814	1-161-731-11	CERAMIC	0.001MF	10%	2KV
C508	1-106-375-12	MYLAR	0.022MF	10%	250V	C815	1-136-569-11	FILM	1.2MF	5%	200V
C509	1-106-220-00	MYLAR	0.1MF	10%	100V	C817	1-136-735-11	FILM	0.019MF	3%	1.4KV
C510	1-161-959-00	CERAMIC	22PF	10%	500V	C818	1-136-759-11	FILM	0.039MF	10%	630V
C511	1-108-620-11	MYLAR	0.0033MF	10%	100V	C819	1-161-731-11	CERAMIC	0.001MF	10%	2KV
C512	1-106-220-00	MYLAR	0.1MF	10%	100V	C820	1-106-218-00	MYLAR	0.0082MF	10%	400V
C513	1-108-614-11	MYLAR	0.001MF	10%	100V	C821	1-162-116-51	CERAMIC	680PF	10%	2KV
C514	1-106-228-00	MYLAR	0.22MF	10%	100V	C822	1-102-114-00	CERAMIC	470PF	10%	50V
C515	1-124-499-11	ELECT	1MF	20%	50V	C823	1-106-359-00				

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-C2721D
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D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
CND88	*1-564-884-11	PLUG, CONNECTOR 7P		IC003	8-759-603-41	IC M58655P	
CND91	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		IC004	8-759-157-40	IC UPC574J	
CND92	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		IC251	8-759-803-31	IC LA4280	
CND94	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)					
<DIODE>							
D001	8-719-911-19	DIODE ISS119			*4-368-683-01	SPRING; IC251	
D002	8-719-911-19	DIODE ISS119		IC401	8-752-006-12	IC CX20061	
D003	8-719-911-19	DIODE ISS119		IC501	8-759-970-73	IC TEA2028B	
D004	8-719-911-19	DIODE ISS119		IC601	8-759-946-23	IC TEA2164	
D005	8-719-109-71	DIODE RD3.9ES-B1			*4-386-642-01	HEAT SINK, IC; IC601	
				IC608	8-759-982-13	IC RC7812FA	
D007	8-719-109-89	DIODE RD5.6ES-B2		<COIL>			
D008	8-719-110-85	DIODE RD36ES-B4		L001	1-408-414-00	INDUCTOR 27UH	
D009	8-719-109-89	DIODE RD5.6ES-B2		L601	*1-420-872-00	COIL, AIR CORE	
D011	8-719-911-19	DIODE ISS119		L602	1-410-396-41	FERRITE BEAD INDUCTOR	
D012	8-719-911-19	DIODE ISS119		L603	1-410-396-41	FERRITE BEAD INDUCTOR	
				L605	1-459-442-00	COIL (WITH CORE)	
D254	8-719-110-14	DIODE RD9.1ES-B3		L606	1-421-013-00	COIL (HORIZONTAL CHOKE) 25UH	
D255	8-719-000-12	DIODE MC931		L607	1-408-421-00	INDUCTOR 100UH	
D256	8-719-000-12	DIODE MC931		L801	1-459-087-00	COIL, MCC DUST CORE 3.9MMH	
D501	8-719-911-19	DIODE ISS119		L803	1-459-104-00	COIL, DUST CORE	
D506	8-719-000-12	DIODE MC931		L804	1-408-239-00	INDUCTOR 4.7MMH	
D508	8-719-911-19	DIODE ISS119		L805 Δ	1-459-697-11	COIL, HORIZONTAL LINEARITY	
D591	8-719-911-19	DIODE ISS119		L806	1-459-087-00	COIL, MCC DUST CORE 3.9MMH	
D592	8-719-911-19	DIODE ISS119		L807	1-407-504-00	INDUCTOR 10MMH	
D593	8-719-911-19	DIODE ISS119		L809	*1-420-872-00	COIL, AIR CORE	
D601	8-719-946-90	DIODE KBU4JL-6088		L810 Δ	1-421-982-12	PMC	
D602	8-719-300-33	DIODE RU-3AM		<IC LINK>			
D603	8-719-911-55	DIODE U05G		PS601 Δ	1-532-984-91	LINK, IC 2A	
D604	8-719-911-55	DIODE U05G		PS602 Δ	1-532-675-91	LINK, IC 1.5A	
D605	8-719-911-55	DIODE U05G					
D606	8-719-300-33	DIODE RU-3AM		<TRANSISTOR>			
D607	8-719-300-33	DIODE RU-3AM		Q001	8-729-600-24	TRANSISTOR 2SC403SP-51	
D608	8-719-300-33	DIODE RU-3AM		Q002	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D610	8-719-300-59	DIODE CTU-12S		Q003	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D611	8-719-900-26	DIODE ERD29-08J		Q004	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D612	8-719-300-59	DIODE CTU-12S		Q252	8-729-900-36	TRANSISTOR DTC124ES	
D613	8-719-300-33	DIODE RU-3AM		Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D614	8-719-300-33	DIODE RU-3AM		Q502	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D615	8-719-109-90	DIODE RD5.6ES-B3		Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D616	8-719-109-93	DIODE TD6.2ES-B2		Q505	8-729-140-96	TRANSISTOR 2SD774-34	
D618	8-719-109-89	DIODE RD5.6ES-B2		Q506	8-729-140-97	TRANSISTOR 2SB734-34	
D620	8-719-000-12	DIODE MC931		Q507	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D622	8-719-911-19	DIODE ISS119		Q591	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D623	8-719-911-19	DIODE ISS119		Q598	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D624	8-719-911-19	DIODE ISS119		Q601	8-729-921-54	TRANSISTOR 2SB1357EF	
D627	8-719-911-19	DIODE ISS119		Q602	8-729-209-02	TRANSISTOR 2SD1548-LB	
D630	8-719-110-39	DIODE RD15ES-B1					
D632	8-719-110-16	DIODE RD10ES-B1			*4-368-683-01	SPRING; Q602	
D633	8-719-911-19	DIODE ISS119		Q603	8-729-921-54	TRANSISTOR 2SB1357EF	
D801	8-719-300-33	DIODE RU-3AM		Q604	8-729-378-91	TRANSISTOR 2SD789-3	
D802	8-719-300-33	DIODE RU-3AM		Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D803	8-719-300-65	DIODE ES1F		Q606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D804	8-719-911-55	DIODE U05G		Q607	8-729-920-92	TRANSISTOR 2SD2096-EF	
D805	8-719-911-55	DIODE U05G		Q609	8-729-378-91	TRANSISTOR 2SD789-3	
D806	8-719-945-80	DIODE ERC06-15S		Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D807	8-719-945-80	DIODE ERC06-15S		Q804	8-729-304-50	TRANSISTOR 2SD1941-06	
D808	8-719-900-26	DIODE ERD29-08J			*4-368-683-01	SPRING; Q804	
D809	8-719-901-58	DIODE RGP15J		Q805	8-729-119-80	TRANSISTOR 2SC2688-LK	
<IC>							
IC001	8-759-630-06	IC M50436-614SP					
IC002	8-759-995-25	IC MB88503H-1126G					

D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>							
R001	1-249-417-11	CARBON	1K 5% 1/4W	R068	1-249-421-11	CARBON	2.2K 5% 1/4W
R002	1-249-417-11	CARBON	1K 5% 1/4W	R069	1-249-423-11	CARBON	3.3K 5% 1/4W
R003	1-249-417-11	CARBON	1K 5% 1/4W	R070	1-249-417-11	CARBON	1K 5% 1/4W
R004	1-249-417-11	CARBON	1K 5% 1/4W	R071	1-249-417-11	CARBON	1K 5% 1/4W
R005	1-249-407-11	CARBON	150 5% 1/4W	R072	1-249-417-11	CARBON	1K 5% 1/4W
R006	1-249-417-11	CARBON	1K 5% 1/4W	R073	1-249-417-11	CARBON	1K 5% 1/4W
R007	1-249-405-11	CARBON	100 5% 1/4W	R074	1-249-417-11	CARBON	1K 5% 1/4W
R008	1-249-417-11	CARBON	1K 5% 1/4W	R075	1-249-417-11	CARBON	1K 5% 1/4W
R009	1-249-417-11	CARBON	1K 5% 1/4W	R077	1-249-413-11	CARBON	470 5% 1/4W
R010	1-249-413-11	CARBON	470 5% 1/4W	R078	1-249-423-11	CARBON	3.3K 5% 1/4W
R011	1-249-417-11	CARBON	1K 5% 1/4W	R079	1-249-435-11	CARBON	33K 5% 1/4W
R012	1-249-417-11	CARBON	1K 5% 1/4W	R080	1-249-429-11	CARBON	10K 5% 1/4W
R013	1-249-417-11	CARBON	1K 5% 1/4W	R081	1-249-441-11	CARBON	100K 5% 1/4W
R014	1-249-417-11	CARBON	1K 5% 1/4W	R082	1-249-409-11	CARBON	220 5% 1/4W
R016	1-249-429-11	CARBON	10K 5% 1/4W	R083	1-249-429-11	CARBON	10K 5% 1/4W
R017	1-249-417-11	CARBON	1K 5% 1/4W	R084	1-249-413-11	CARBON	470 5% 1/4W
R018	1-249-417-11	CARBON	1K 5% 1/4W	R085	1-249-429-11	CARBON	10K 5% 1/4W
R019	1-249-433-11	CARBON	22K 5% 1/4W	R086	1-249-417-11	CARBON	1K 5% 1/4W
R020	1-249-433-11	CARBON	22K 5% 1/4W	R087	1-249-417-11	CARBON	1K 5% 1/4W
R021	1-249-433-11	CARBON	22K 5% 1/4W	R088	1-249-425-11	CARBON	4.7K 5% 1/4W
R022	1-249-433-11	CARBON	22K 5% 1/4W	R090	1-249-413-11	CARBON	470 5% 1/4W
R023	1-249-429-11	CARBON	10K 5% 1/4W	R091	1-249-409-11	CARBON	220 5% 1/4W
R024	1-249-429-11	CARBON	10K 5% 1/4W	R093	1-249-429-11	CARBON	10K 5% 1/4W
R025	1-249-417-11	CARBON	1K 5% 1/4W	R094	1-249-429-11	CARBON	10K 5% 1/4W
R026	1-249-417-11	CARBON	1K 5% 1/4W	R095	1-249-409-11	CARBON	220 5% 1/4W
R027	1-249-417-11	CARBON	1K 5% 1/4W	R096	1-249-409-11	CARBON	220 5% 1/4W
R028	1-249-417-11	CARBON	1K 5% 1/4W	R097	1-249-429-11	CARBON	10K 5% 1/4W
R029	1-249-417-11	CARBON	1K 5% 1/4W	R098	1-249-429-11	CARBON	10K 5% 1/4W
R030	1-249-425-11	CARBON	1.7K 5% 1/4W	R099	1-215-900-11	METAL OXIDE	22K 5% 2W F
R031	1-249-429-11	CARBON	10K 5% 1/4W	R251	1-249-417-11	CARBON	1K 5% 1/4W
R032	1-249-417-11	CARBON	1K 5% 1/4W	R252	1-249-413-11	CARBON	470 5% 1/4W
R033	1-249-413-11	CARBON	470 5% 1/4W	R253	1-249-413-11	CARBON	470 5% 1/4W
R034	1-249-413-11	CARBON	470 5% 1/4W	R255	1-249-385-11	CARBON	2.2 5% 1/4W F
R035	1-249-431-11	CARBON	15K 5% 1/4W	R256	1-249-385-11	CARBON	2.2 5% 1/4W F
R036	1-249-421-11	CARBON	2.2K 5% 1/4W	R260	1-249-393-11	CARBON	10 5% 1/4W
R037	1-249-417-11	CARBON	1K 5% 1/4W	R261	1-249-429-11	CARBON	10K 5% 1/4W
R038	1-249-417-11	CARBON	1K 5% 1/4W	R262	1-249-413-11	CARBON	470 5% 1/4W
R039	1-249-417-11	CARBON	1K 5% 1/4W	R263	1-249-421-11	CARBON	2.2K 5% 1/4W
R040	1-249-417-11	CARBON	1K 5% 1/4W	R264	1-249-421-11	CARBON	2.2K 5% 1/4W
R041	1-249-417-11	CARBON	1K 5% 1/4W	R265	1-249-425-11	CARBON	4.7K 5% 1/4W
R042	1-249-417-11	CARBON	1K 5% 1/4W	R266	1-249-425-11	CARBON	4.7K 5% 1/4W
R043	1-249-417-11	CARBON	1K 5% 1/4W	R401	1-249-434-11	CARBON	27K 5% 1/4W
R044	1-249-429-11	CARBON	10K 5% 1/4W	R402	1-249-435-11	CARBON	33K 5% 1/4W
R045	1-249-417-11	CARBON	1K 5% 1/4W	R410	1-249-413-11	CARBON	470 5% 1/4W
R046	1-249-429-11	CARBON	10K 5% 1/4W	R411	1-249-413-11	CARBON	470 5% 1/4W
R047	1-249-409-11	CARBON	220 5% 1/4W	R412	1-249-413-11	CARBON	470 5% 1/4W
R048	1-249-417-11	CARBON	1K 5% 1/4W	R500	1-247-897-11	CARBON	560K 5% 1/4W
R049	1-249-417-11	CARBON	1K 5% 1/4W	R501	1-249-413-11	CARBON	470 5% 1/4W
R050	1-249-433-11	CARBON	22K 5% 1/4W	R502	1-249-409-11	CARBON	220 5% 1/4W
R051	1-249-429-11	CARBON	10K 5% 1/4W	R503	1-249-410-11	CARBON	270 5% 1/4W
R052	1-249-439-11	CARBON	68K 5% 1/4W	R504	1-215-427-00	METAL	1.8K 1% 1/6W
R053	1-249-437-11	CARBON	47K 5% 1/4W	R505	1-249-431-11	CARBON	15K 5% 1/4W
R054	1-249-417-11	CARBON	1K 5% 1/4W	R506	1-249-428-11	CARBON	8.2K 5% 1/4W
R056	1-249-440-11	CARBON	82K 5% 1/4W	R507	1-247-891-00	CARBON	330K 5% 1/4W
R057	1-249-409-11	CARBON	220 5% 1/4W	R509	1-249-424-11	CARBON	3.9K 5% 1/4W
R058	1-249-409-11	CARBON	220 5% 1/4W	R510	1-249-426-11	CARBON	5.6K 5% 1/4W
R059	1-249-437-11	CARBON	47K 5% 1/4W	R511	1-249-429-11	CARBON	10K 5% 1/4W
R060	1-249-437-11	CARBON	47K 5% 1/4W	R512	1-247-891-00	CARBON	330K 5% 1/4W
R061	1-249-417-11	CARBON	1K 5% 1/4W	R513	1-249-429-11	CARBON	10K 5% 1/4W
R062	1-249-411-11	CARBON	330 5% 1/4W	R514	1-249-409-11	CARBON	220 5% 1/4W
R063	1-249-431-11	CARBON	15K 5% 1/4W	R515	1-249-423-11	CARBON	3.3K 5% 1/4W
R064	1-249-429-11	CARBON	10K 5% 1/4W	R516	1-249-408-11	CARBON	180 5% 1/4W
R067	1-249-413-11	CARBON	470 5% 1/4W	R517	1-249-429-11	CARBON	10K 5% 1/4W

D

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R518	1-249-437-11	CARBON	47K	5%	1/4W		R628	1-249-393-11	CARBON	10	5%	1/4W	
R519	1-249-433-11	CARBON	22K	5%	1/4W								
R520	1-249-411-11	CARBON	330	5%	1/4W		R629	1-249-411-11	CARBON	330	5%	1/4W	
R521	1-249-405-11	CARBON	100	5%	1/4W		R630	1-249-437-11	CARBON	47K	5%	1/4W	
R522	1-215-469-00	METAL	100K	1%	1/6W		R633	1-249-405-11	CARBON	100	5%	1/4W	
							R634	1-216-430-11	METAL OXIDE	390	5%	1W	
R523	1-249-417-11	CARBON	1K	5%	1/4W		R635	1-249-429-11	CARBON	10K	5%	1/4W	
R524	1-249-421-11	CARBON	2.2K	5%	1/4W								
R525	1-249-417-11	CARBON	1K	5%	1/4W		R636	1-249-429-11	CARBON	10K	5%	1/4W	
R528	1-249-408-11	CARBON	180	5%	1/4W		R642	1-216-343-00	METAL OXIDE	0.33	5%	1W	F
R529	1-249-427-11	CARBON	6.8K	5%	1/4W		R643	1-217-192-21	WIREWOUND	0.22	10%	2W	F
							R647	1-216-485-11	METAL OXIDE	5.6K	5%	3W	F
R530	1-247-695-11	CARBON	39	5%	1/4W	F	R648	1-216-485-11	METAL OXIDE	5.6K	5%	3W	F
R534	1-247-901-11	CARBON	820K	5%	1/4W								
R536	1-249-749-00	CARBON	2.2M	5%	1/4W		R649	1-249-385-11	CARBON	2.2	5%	1/4W	
R538	1-247-883-00	CARBON	150K	5%	1/4W		R650	1-249-417-11	CARBON	1K	5%	1/4W	
R539	1-247-883-00	CARBON	150K	5%	1/4W		R651	1-249-405-11	CARBON	100	5%	1/4W	
							R652	1-247-903-00	CARBON	1M	5%	1/4W	
R540	1-249-399-11	CARBON	33	5%	1/4W		R653	1-205-758-11	WIREWOUND	100	10%	10W	F
R541	1-249-438-11	CARBON	56K	5%	1/4W								
R542	1-249-425-11	CARBON	4.7K	5%	1/4W		R802	1-249-443-11	CARBON	0.47	5%	1/4W	F
R546	1-249-434-11	CARBON	27K	5%	1/4W		R805	1-249-448-11	CARBON	1.2	5%	1/4W	F
R549	1-215-890-11	METAL OXIDE	470	5%	2W	F	R806	1-249-439-11	CARBON	68K	5%	1/4W	
							R807	1-216-869-11	METAL OXIDE	1K	5%	1W	
R550	1-249-440-11	CARBON	82K	5%	1/4W		R809	1-202-821-11	SOLID	1.8K	10%	1/2W	
R551	1-249-749-00	CARBON	2.2M	5%	1/4W								
R552	1-216-433-00	METAL OXIDE	1.2K	5%	1W		R810	1-202-818-00	SOLID	1K	10%	1/2W	
R553	1-216-869-11	METAL OXIDE	1K	5%	1W		R811	1-215-882-00	METAL OXIDE	22	5%	2W	F
R554	1-249-411-11	CARBON	330	5%	1/4W		R812	1-249-494-11	CARBON	68K	5%	1/2W	
							R815	1-215-884-11	METAL OXIDE	47	5%	2W	F
R555	1-249-749-00	CARBON	2.2M	5%	1/4W		R816	1-215-868-00	METAL OXIDE	680	5%	1W	
R556	1-249-405-11	CARBON	100	5%	1/4W								
R557	1-249-425-11	CARBON	4.7K	5%	1/4W		R817	1-249-417-11	CARBON	1K	5%	1/4W	
R558	1-247-895-00	CARBON	470K	5%	1/4W		R820	1-249-403-11	CARBON	68	5%	1/4W	
R559	1-249-427-11	CARBON	6.8K	5%	1/4W		R821	1-247-725-11	CARBON	10K	5%	1/4W	F
							R822	1-217-778-11	FUSIBLE	1K	5%	1W	F
R560	1-249-411-11	CARBON	330	5%	1/4W		R825	1-216-342-11	METAL OXIDE	0.27	5%	1W	F
R591	1-249-427-11	CARBON	6.8K	5%	1/4W								
R592	1-249-429-11	CARBON	10K	5%	1/4W		R826	1-249-441-11	CARBON	100K	5%	1/4W	
R593	1-249-429-11	CARBON	10K	5%	1/4W		R827	1-249-429-11	CARBON	10K	5%	1/4W	
R594	1-249-424-11	CARBON	3.9K	5%	1/4W		R828	1-249-423-11	CARBON	3.3K	5%	1/4W	
							R829	1-249-415-11	CARBON	680	5%	1/4W	
R595	1-249-417-11	CARBON	1K	5%	1/4W		R830	1-249-429-11	CARBON	10K	5%	1/4W	
R596	1-249-425-11	CARBON	4.7K	5%	1/4W								
R597	1-249-425-11	CARBON	4.7K	5%	1/4W		R831	1-249-451-11	CARBON	2.2	5%	1/4W	
R598	1-249-405-11	CARBON	100	5%	1/4W		R1001	1-249-421-11	CARBON	2.2K	5%	1/4W	
R599	1-249-405-11	CARBON	100	5%	1/4W		R1005	1-249-408-11	CARBON	180	5%	1/4W	
							R1006	1-249-408-11	CARBON	180	5%	1/4W	
R602	1-216-465-11	METAL OXIDE	27K	5%	2W	F	R1007	1-249-408-11	CARBON	180	5%	1/4W	
R603	1-216-359-00	METAL OXIDE	6.8	5%	1W	F							
R604	1-249-414-11	CARBON	560	5%	1/4W		R1008	1-249-409-11	CARBON	220	5%	1/4W	
R605	1-215-469-00	METAL	100K	1%	1/6W		R1009	1-249-417-11	CARBON	1K	5%	1/4W	
R606	1-247-850-11	CARBON	6.2K	5%	1/4W		R1011	1-249-413-11	CARBON	470	5%	1/4W	
							R1012	1-249-405-11	CARBON	100	5%	1/4W	
R607	1-249-434-11	CARBON	27K	5%	1/4W		R5501	1-249-429-11	CARBON	10K	5%	1/4W	
R608	1-216-490-11	METAL OXIDE	39K	5%	3W	F							
R609	1-249-401-11	CARBON	47	5%	1/4W		R5502	1-249-417-11	CARBON	1K	5%	1/4W	
R610	1-249-385-11	CARBON	2.2	5%	1/4W	F	R5503	1-249-389-11	CARBON	4.7	5%	1/4W	
R611	1-249-385-11	CARBON	2.2	5%	1/4W	F	R5504	1-247-903-00	CARBON	1M	5%	1/4W	
R612	1-207-905-00	WIREWOUND	0.27	10%	2W	F							
R613	1-249-401-11	CARBON	47	5%	1/4W								
R614	1-205-758-11	WIREWOUND	100	10%	10W	F							
R616	1-249-417-11	CARBON	1K	5%	1/4W								
R617	1-249-411-11	CARBON	330	5%	1/4W								
R618	1-216-431-11	METAL OXIDE	560	5%	1W								
R619	1-249-429-11	CARBON	10K	5%	1/4W								
R620	1-249-433-11	CARBON	22K	5%	1/4W								
R621	1-249-431-11	CARBON	15K	5%	1/4W								
R622	1-249-429-11	CARBON	10K	5%	1/4W								
R623	1-249-377-11	CARBON	0.47	5%	1/4W	F							
R624	1-249-411-11	CARBON	330	5%	1/4W								
R625	1-215-865-11	METAL OXIDE	220	5%	1W								
R626	1-249-411-11	CARBON	330	5%	1/4W								

D

V

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
T602A	1-424-011-21	TRANSFORMER, PULSE		D08	8-719-106-17	DIODE RD6.8M-B2	
T801	1-437-090-00	HDT		D09	8-719-400-18	DIODE MA152WK	
T802A	1-439-418-21	TRANSFORMER ASSY, FLYBACK (UX-1610)		D10	8-719-400-18	DIODE MA152WK	
*****				D11	8-719-914-44	DIODE DAP202K	
*****				D12	8-719-914-44	DIODE DAP202K	
*A-1347-030-A	V BOARD, COMPLETE			<IC>			
*****				IC1	8-759-986-92	IC SMAB8461P-W177	
*4-380-698-01	CASE (MAIN), SHIELD, A1			IC2	8-759-972-96	IC SAA5231-V6	
*4-380-699-01	CASE (UPPER LID), SHIELD, A1			IC3	8-759-988-99	IC SAA5243P-E-M2	
*4-382-701-01	CASE (BOTTOM LID), SHIELD, A2			IC4	8-759-230-68	IC TMM2063P-70	
<CAPACITOR>				<COIL>			
C01	1-126-101-11	ELECT	100MF	L01	1-408-411-00	INDUCTOR	15UH
C02	1-124-120-11	ELECT	220MF	L02	1-408-407-00	INDUCTOR	6.8UH
C03	1-124-119-00	ELECT	330MF	L03	1-408-407-00	INDUCTOR	6.8UH
C04	1-124-477-11	ELECT	47MF	L04	1-408-407-00	INDUCTOR	6.8UH
C05	1-126-101-11	ELECT	100MF	L05	1-408-407-00	INDUCTOR	6.8UH
C06	1-124-120-11	ELECT	220MF	L06	1-408-407-00	INDUCTOR	6.8UH
C07	1-124-499-11	ELECT	1MF	<TRANSISTOR>			
C08	1-163-097-00	CERAMIC CHIP	15PF	Q01	8-729-920-92	TRANSISTOR 2SD2096-EF	
C09	1-163-141-00	CERAMIC CHIP	0.001MF	Q02	8-729-807-50	TRANSISTOR 2SD1623R	
C10	1-163-133-00	CERAMIC CHIP	470PF	Q03	8-729-900-53	TRANSISTOR DTC114EK	
C11	1-163-037-11	CERAMIC CHIP	0.022MF	Q04	8-729-271-22	TRANSISTOR 2SC2712G	
C12	1-163-127-00	CERAMIC CHIP	270PF	Q05	8-729-807-50	TRANSISTOR 2SD1623R	
C13	1-163-117-00	CERAMIC CHIP	100PF	Q06	8-729-271-22	TRANSISTOR 2SC2712G	
C14	1-163-097-00	CERAMIC CHIP	15PF	Q07	8-729-900-98	TRANSISTOR DTC143TK	
C15	1-163-103-00	CERAMIC CHIP	27PF	Q09	8-729-807-87	TRANSISTOR 2SB1295-UL6	
C16	1-163-021-00	CERAMIC CHIP	0.01MF	Q10	8-729-807-87	TRANSISTOR 2SB1295-UL6	
C17	1-163-809-11	CERAMIC CHIP	0.047MF	Q11	8-729-807-87	TRANSISTOR 2SB1295-UL6	
C18	1-163-099-00	CERAMIC CHIP	18PF	<RESISTOR>			
C19	1-163-809-11	CERAMIC CHIP	0.047MF	JW1	1-216-295-00	METAL GLAZE	0 5% 1/10W
C20	1-163-125-00	CERAMIC CHIP	220PF	JW2	1-216-295-00	METAL GLAZE	0 5% 1/10W
C21	1-163-833-00	CERAMIC CHIP	0.068MF	JW3	1-216-295-00	METAL GLAZE	0 5% 1/10W
C24	1-126-101-11	ELECT	100MF	JW4	1-216-295-00	METAL GLAZE	0 5% 1/10W
C25	1-124-477-11	ELECT	47MF	JW5	1-216-295-00	METAL GLAZE	0 5% 1/10W
C27	1-163-129-00	CERAMIC CHIP	330PF	JW6	1-216-295-00	METAL GLAZE	0 5% 1/10W
C28	1-163-137-00	CERAMIC CHIP	680PF	JW7	1-216-295-00	METAL GLAZE	0 5% 1/10W
C29	1-124-927-11	ELECT	4.7MF	JW8	1-216-295-00	METAL GLAZE	0 5% 1/10W
C51	1-163-038-00	CERAMIC CHIP	0.1MF	JW9	1-216-295-00	METAL GLAZE	0 5% 1/10W
C52	1-163-038-00	CERAMIC CHIP	0.1MF	JW10	1-216-295-00	METAL GLAZE	0 5% 1/10W
C53	1-163-038-00	CERAMIC CHIP	0.1MF	JW11	1-216-295-00	METAL GLAZE	0 5% 1/10W
C54	1-163-038-00	CERAMIC CHIP	0.1MF	JW12	1-216-295-00	METAL GLAZE	0 5% 1/10W
C55	1-163-038-00	CERAMIC CHIP	0.1MF	JW13	1-216-295-00	METAL GLAZE	0 5% 1/10W
C56	1-163-038-00	CERAMIC CHIP	0.1MF	JW14	1-216-295-00	METAL GLAZE	0 5% 1/10W
C57	1-163-141-00	CERAMIC CHIP	0.001MF	JW15	1-216-295-00	METAL GLAZE	0 5% 1/10W
C58	1-163-141-00	CERAMIC CHIP	0.001MF	JW16	1-216-295-00	METAL GLAZE	0 5% 1/10W
C59	1-163-141-00	CERAMIC CHIP	0.001MF	JW17	1-216-295-00	METAL GLAZE	0 5% 1/10W
<CONNECTOR>				JW18	1-216-295-00	METAL GLAZE	0 5% 1/10W
CNV03	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		JW19	1-216-295-00	METAL GLAZE	0 5% 1/10W
<TRIMMER>				JW20	1-216-295-00	METAL GLAZE	0 5% 1/10W
CT01	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)		JW21	1-216-295-00	METAL GLAZE	0 5% 1/10W
<DIODE>				JW22	1-216-295-00	METAL GLAZE	0 5% 1/10W
D01	8-719-105-91	DIODE RD5.6M-B2		JW23	1-216-295-00	METAL GLAZE	0 5% 1/10W
D02	8-719-106-79	DIODE RD13M-B1		JW25	1-216-295-00	METAL GLAZE	0 5% 1/10W
D03	8-719-400-18	DIODE MA152WK		RO1	1-218-326-11	METAL GLAZE	470 5% 1/2W
D04	8-719-105-52	DIODE RD3.6M-B2		RO2	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
D07	8-719-106-17	DIODE RD6.8M-B2		RO4	1-218-326-11	METAL GLAZE	470 5% 1/2W

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R05	1-216-025-00	METAL GLAZE	100 5% 1/10W	X02	1-567-495-21	OSCILLATOR, CRYSTAL	
R06	1-216-049-00	METAL GLAZE	1K 5% 1/10W	X03	1-577-082-11	VIBRATOR, CERAMIC	
R07	1-216-025-00	METAL GLAZE	100 5% 1/10W	*****			
R08	1-216-037-00	METAL GLAZE	330 5% 1/10W	*1-629-783-22	J2 BOARD		
R09	1-216-091-00	METAL GLAZE	56K 5% 1/10W	*****			
R13	1-216-025-00	METAL GLAZE	100 5% 1/10W	<CAPACITOR>			
R14	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1401	1-126-105-11	ELECT 1000MF	20% 35V
R15	1-216-121-00	METAL GLAZE	1M 5% 1/10W	C1402	1-126-105-11	ELECT 1000MF	20% 35V
R16	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	<CONNECTOR>			
R17	1-216-049-00	METAL GLAZE	1K 5% 1/10W	CNJ23	*1-564-893-11	PLUG, CONNECTOR 4P	
R18	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	CNJ242	*1-564-893-11	PLUG, CONNECTOR 4P	
R19	1-216-037-00	METAL GLAZE	330 5% 1/10W	<JACK>			
R20	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	J1401	1-507-806-00	JACK 1P	
R27	1-216-013-00	METAL GLAZE	33 5% 1/10W	<RESISTOR>			
R28	1-216-013-00	METAL GLAZE	33 5% 1/10W	R1401	1-247-708-11	CARBON 470 5% 1/4W	
R29	1-216-013-00	METAL GLAZE	33 5% 1/10W	R1402	1-247-708-11	CARBON 470 5% 1/4W	
R30	1-218-325-11	METAL GLAZE	120 5% 1/4W	R1403	1-216-431-11	METAL OXIDE 560 5% 1W	
R31	1-218-325-11	METAL GLAZE	120 5% 1/4W	R1404	1-216-431-11	METAL OXIDE 560 5% 1W	
R32	1-218-325-11	METAL GLAZE	120 5% 1/4W	*****			
R33	1-216-023-00	METAL GLAZE	82 5% 1/10W	*1-629-788-22	H8 BOARD		
R34	1-216-049-00	METAL GLAZE	1K 5% 1/10W	*****			
R37	1-216-025-00	METAL GLAZE	100 5% 1/10W	<CONNECTOR>			
R38	1-216-047-00	METAL GLAZE	820 5% 1/10W	CNH801	*1-564-896-11	PLUG, CONNECTOR 7P	
R40	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	CNH803	*1-564-892-41	PLUG, CONNECTOR 3P	
R41	1-216-041-00	METAL GLAZE	470 5% 1/10W	<DIODE>			
R43	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D1401	8-719-311-89	DIODE SEL1222R-C	
R44	1-216-041-00	METAL GLAZE	470 5% 1/10W	*4-387-801-01	HOLDER, LED; D1401		
R45	1-216-049-00	METAL GLAZE	1K 5% 1/10W	D1402	8-719-311-89	DIODE SEL1222R-C	
R46	1-216-311-00	METAL GLAZE	6.8 5% 1/10W	*4-387-801-01	HOLDER, LED; D1402		
R51	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D1403	8-719-311-89	DIODE SEL1222R-C	
R52	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	*4-387-801-01	HOLDER, LED; D1403		
R53	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D1404	8-719-311-89	DIODE SEL1222R-C	
R54	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	*4-387-801-01	HOLDER, LED; D1404		
R55	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	<IC>			
R56	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	IC1401	8-741-138-70	IC BX-1387	
R57	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	<RESISTOR>			
R58	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1498	1-249-415-11	CARBON 680 5% 1/4W	
R59	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	*****			
R60	1-216-076-00	METAL GLAZE	13K 5% 1/10W	*1-629-787-22	H7 BOARD		
R61	1-216-083-00	METAL GLAZE	27K 5% 1/10W	*****			
R62	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	<CONNECTOR>			
R63	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	CNH702	*1-564-898-11	PLUG, CONNECTOR 9P	
R64	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	CNH703	*1-564-892-41	PLUG, CONNECTOR 3P	
R65	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R66	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R67	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R68	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R69	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
<VARIABLE RESISTOR>							
RV01	1-238-012-11	RES, ADJ, CARBON 1K					
<CONNECTOR>							
V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P					
V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P					
V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P					
V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)					
V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)					
<CRYSTAL>							
X01	1-567-162-21	OSCILLATOR, CRYSTAL					

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J1

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>				CNJ142*1-564-893-11 PLUG, CONNECTOR 4P			
D1405	8-719-812-41	DIODE TLR124		<DIODE>			
	4-359-103-00	HOLDER, LED; D1405		D1407	8-719-106-53	DIODE RD10M-B2	
<SWITCH>				D1409	8-719-106-44	DIODE RD9.1M-B2	
S1401	1-571-085-21	SWITCH, TACTICLE		D1410	8-719-106-44	DIODE RD9.1M-B2	
S1402	1-571-085-21	SWITCH, TACTICLE		D1419	8-719-106-23	DIODE RD7.5M-B2	
S1403	1-571-085-21	SWITCH, TACTICLE		D1501	8-719-400-18	DIODE MA152WK	
S1404	1-571-085-21	SWITCH, TACTICLE		D1502	8-719-400-18	DIODE MA152WK	
S1405	1-571-085-21	SWITCH, TACTICLE		D1504	8-719-400-18	DIODE MA152WK	
S1406	1-571-085-21	SWITCH, TACTICLE		D1505	8-719-800-76	DIODE 1SS226	
S1407	1-571-085-21	SWITCH, TACTICLE		D1506	8-719-118-15	DIODE RD36M-B	
S1408	1-571-085-21	SWITCH, TACTICLE		D1507	8-719-400-18	DIODE MA152WK	
S1409	1-571-085-21	SWITCH, TACTICLE		D1509	8-719-400-18	DIODE MA152WK	
S1410	1-571-085-21	SWITCH, TACTICLE		D1551	8-719-107-43	DIODE RD24M-B2	
S1411	1-571-085-21	SWITCH, TACTICLE		D1552	8-719-300-33	DIODE RU-3AM	
S1412	1-571-085-21	SWITCH, TACTICLE		<IC>			
S1414	1-571-085-21	SWITCH, TACTICLE		IC1402	8-759-946-32	IC TEA2014A	
*****				IC1501	8-759-942-16	IC TEA2031A	
*A-1371-577-A J1 BOARD, COMPLETE				<COIL>			
*****				L1401	1-412-240-11	INDUCTOR, WIDE BAND	
<CAPACITOR>				L1402	1-412-240-11	INDUCTOR, WIDE BAND	
C1407	1-124-477-11	ELECT	47MF	20%	16V		
C1415	1-124-902-00	ELECT	0.47MF	20%	50V		
C1416	1-124-902-00	ELECT	0.47MF	20%	50V		
C1418	1-163-003-11	CERAMIC CHIP	330PF	10%	50V		
C1419	1-163-003-11	CERAMIC CHIP	330PF	10%	50V		
C1423	1-106-375-12	MYLAR	0.022MF	10%	250V		
C1424	1-106-375-12	MYLAR	0.022MF	10%	250V		
C1427	1-136-017-00	CERAMIC CHIP	0.0047MF		50V		
C1428	1-136-017-00	CERAMIC CHIP	0.0047MF		50V		
C1431	1-124-902-00	ELECT	0.47MF	20%	50V		
C1432	1-124-902-00	ELECT	0.47MF	20%	50V		
C1433	1-126-101-11	ELECT	100MF	20%	16V		
C1501	1-123-875-11	ELECT	10MF	20%	50V		
C1502	1-123-875-11	ELECT	10MF	20%	50V		
C1503	1-108-614-11	MYLAR	0.001MF	10%	100V		
C1504	1-124-910-11	ELECT	47MF	20%	50V		
C1505	1-106-383-00	MYLAR	0.047MF	10%	100V		
C1507	1-108-620-11	MYLAR	0.0033MF	10%	100V		
C1508	1-124-499-11	ELECT	1MF	20%	50V		
C1509	1-124-499-11	ELECT	1MF	20%	50V		
C1511	1-123-875-11	ELECT	10MF	20%	50V		
C1512	1-106-363-00	MYLAR	0.0068MF	10%	400V		
C1513	1-163-105-00	CERAMIC CHIP	33PF	5%	50V		
C1514	1-106-353-00	MYLAR	0.027MF	10%	250V		
C1515	1-102-117-00	CERAMIC	820PF	10%	50V		
C1551	1-163-117-00	CERAMIC CHIP	100PF	5%	50V		
C1552	1-124-122-11	ELECT	100MF	20%	50V		
<CONNECTOR>				<TRANSISTOR>			
CNJ1401	1-537-088-11	TERMINAL BOARD, INPUT/OUTPUT		Q1551	8-729-271-22	TRANSISTOR 2SC2712G	
CNJ141	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		Q1552	8-729-140-96	TRANSISTOR 2SD774-34	
CNJ143	*1-564-893-11	PLUG, CONNECTOR 4P		<RESISTOR>			
CNJ151	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		JW1401	1-216-295-00	METAL GLAZE	0 5% 1/10W
CNJ140	1-561-534-41	SOCKET 21P		JW1404	1-216-295-00	METAL GLAZE	0 5% 1/10W
				JW1452	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JW1453	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JW1456	1-216-295-00	METAL GLAZE	0 5% 1/10W
				JW1457	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JW1458	1-216-295-00	METAL GLAZE	0 5% 1/10W
				JW1459	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JW1461	1-216-296-00	METAL GLAZE	0 5% 1/8W
				JW1463	1-216-295-00	METAL GLAZE	0 5% 1/10W
				R1417	1-216-023-00	METAL GLAZE	82 5% 1/10W
				R1423	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
				R1424	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
				R1428	1-216-113-00	METAL GLAZE	470K 5% 1/10W
				R1429	1-216-113-00	METAL GLAZE	470K 5% 1/10W
				R1430	1-216-172-00	METAL GLAZE	82 5% 1/8W
				R1433	1-216-033-00	METAL GLAZE	220 5% 1/10W
				R1434	1-249-393-11	CARBON	10 5% 1/4W F
				R1437	1-216-222-00	METAL GLAZE	10K 5% 1/8W
				R1440	1-216-045-00	METAL GLAZE	680 5% 1/10W
				R1441	1-216-045-00	METAL GLAZE	680 5% 1/10W
				R1442	1-216-089-00	METAL GLAZE	47K 5% 1/10W
				R1443	1-216-089-00	METAL GLAZE	47K 5% 1/10W
				R1454	1-216-180-00	METAL GLAZE	180 5% 1/8W
				R1455	1-216-180-00	METAL GLAZE	180 5% 1/8W
				R1501	1-216-230-00	METAL GLAZE	22K 5% 1/8W
				R1502	1-216-232-00	METAL GLAZE	27K 5% 1/8W
				R1503	1-216-262-00	METAL GLAZE	470K 5% 1/8W
				R1504	1-216-234-00	METAL GLAZE	33K 5% 1/8W

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-C2721D
RM-670/673

J1

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1505	1-216-230-00	METAL GLAZE 22K 5% 1/8W		C236	1-102-114-00	CERAMIC 470PF 10% 50V	
R1506	1-216-262-00	METAL GLAZE 470K 5% 1/8W		C237	1-124-902-00	ELECT 0.47MF 20% 50V	
R1509	1-216-236-00	METAL GLAZE 39K 5% 1/8W		C238	1-102-978-00	CERAMIC 220PF 5% 50V	
R1510	1-216-216-00	METAL GLAZE 5.6K 5% 1/8W		C239	1-126-103-11	ELECT 470MF 20% 16V	
R1511	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W		<CONNECTOR>			
R1512	1-216-222-00	METAL GLAZE 10K 5% 1/8W		CNK21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
R1513	1-216-240-00	METAL GLAZE 56K 5% 1/8W		<DIODE>			
R1514	1-216-198-00	METAL GLAZE 1K 5% 1/8W		D205	8-719-110-04	DIODE RD7.5ES-B3	
R1515	1-216-266-00	METAL GLAZE 680K 5% 1/8W		D206	8-719-110-04	DIODE RD7.5ES-B3	
R1516	1-216-228-00	METAL GLAZE 18K 5% 1/8W		<IC>			
R1518	1-216-222-00	METAL GLAZE 10K 5% 1/8W		IC201	8-759-013-17	IC TDA6200	
R1519	1-216-250-00	METAL GLAZE 150K 5% 1/8W		<RESISTOR>			
R1520	1-216-262-00	METAL GLAZE 470K 5% 1/8W		R204	1-249-435-11	CARBON 33K 5% 1/4W	
R1521	1-216-214-00	METAL GLAZE 4.7K 5% 1/8W		R205	1-249-435-11	CARBON 33K 5% 1/4W	
R1522	1-216-254-00	METAL GLAZE 220K 5% 1/8W		R206	1-249-423-11	CARBON 3.3K 5% 1/4W	
R1551	1-218-027-51	METAL OXIDE 1.5K 5% 1W		R207	1-249-423-11	CARBON 3.3K 5% 1/4W	
R1552	1-216-230-00	METAL GLAZE 22K 5% 1/8W		R208	1-249-431-11	CARBON 15K 5% 1/4W	
R1553	1-218-028-51	METAL OXIDE 1.8K 5% 1W		R209	1-249-433-11	CARBON 22K 5% 1/4W	
R1554	1-216-186-00	METAL GLAZE 330 5% 1/8W		R210	1-249-431-11	CARBON 15K 5% 1/4W	
R1556	1-216-216-00	METAL GLAZE 5.6K 5% 1/8W		R211	1-249-441-11	CARBON 100K 5% 1/4W	
R1558	1-216-214-00	METAL GLAZE 4.7K 5% 1/8W		R212	1-249-433-11	CARBON 22K 5% 1/4W	
R1559	1-216-246-00	METAL GLAZE 100K 5% 1/8W		R213	1-249-431-11	CARBON 15K 5% 1/4W	
<VARIABLE RESISTOR>				R214	1-249-417-11	CARBON 1K 5% 1/4W	
RV1501	1-238-023-11	RES, ADJ, CARBON 470K		R215	1-249-433-11	CARBON 22K 5% 1/4W	
RV1502	1-224-252-99	RES, ADJ, METAL GLAZE 10K		R216	1-249-433-11	CARBON 22K 5% 1/4W	
RV1503	1-238-017-11	RES, ADJ, CARBON 22K		R217	1-249-431-11	CARBON 15K 5% 1/4W	
RV1504	1-238-012-11	RES, ADJ, CARBON 1K		R218	1-249-417-11	CARBON 1K 5% 1/4W	
RV1505	1-238-021-11	RES, ADJ, CARBON 220K		R219	1-249-429-11	CARBON 10K 5% 1/4W	
RV1506	1-238-017-11	RES, ADJ, CARBON 22K		R221	1-249-417-11	CARBON 1K 5% 1/4W	
RV1508	1-238-016-11	RES, ADJ, CARBON 10K		R222	1-249-417-11	CARBON 1K 5% 1/4W	
RV1509	1-238-023-11	RES, ADJ, CARBON 470K		R225	1-249-417-11	CARBON 1K 5% 1/4W	
*****				R226	1-249-417-11	CARBON 1K 5% 1/4W	
*1-629-781-22	KS BOARD	*****		R227	1-249-417-11	CARBON 1K 5% 1/4W	
<CAPACITOR>				R228	1-249-417-11	CARBON 1K 5% 1/4W	
C202	1-124-902-00	ELECT 0.47MF 20% 50V		*****			
C204	1-124-902-00	ELECT 0.47MF 20% 50V		MISCELLANEOUS			
C213	1-126-233-11	ELECT 22MF 20% 50V		*****			
C214	1-106-363-00	MYLAR 0.0068MF 10% 400V		Δ 1-228-544-12	RESISTOR ASSY, HIGH-VOLTAGE		
C217	1-106-363-00	MYLAR 0.0068MF 10% 400V		Δ 1-426-378-11	COIL, DEMAGNETIZATION		
C218	1-106-375-12	MYLAR 0.022MF 10% 250V		Δ 1-451-255-42	DEFLECTION YOKE (Y27FXA)		
C219	1-106-375-12	MYLAR 0.022MF 10% 250V		1-452-032-00	MAGNET, DISK; 10MM ϕ		
C220	1-108-620-11	MYLAR 0.0033MF 10% 100V		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ		
C221	1-108-620-11	MYLAR 0.0033MF 10% 100V		1-452-146-21	MAGNET, BMC		
C222	1-106-375-12	MYLAR 0.022MF 10% 250V		Δ 1-452-391-21	NECK ASSY, PICTURE TUBE (NA305)		
C223	1-106-375-12	MYLAR 0.022MF 10% 250V		1-503-642-41	SPEAKER		
C224	1-106-367-00	MYLAR 0.01MF 10% 400V		Δ 1-559-346-12	CORD, POWER (WITH CONNECTOR) (AEP)		
C225	1-136-173-00	FILM 0.47MF 5% 50V		Δ 1-559-912-12	CORD, POWER (WITH CONNECTOR) (AUS)		
C226	1-136-173-00	FILM 0.47MF 5% 50V		C032	1-102-978-00	CAP, CERAMIC 220PF 5% 50V	
C227	1-106-375-12	MYLAR 0.022MF 10% 250V		C817A	1-161-754-00	CAP, CERAMIC 1000PF 10% 3KV	
C228	1-106-379-12	MYLAR 0.033MF 10% 250V		C818	1-136-759-11	CAP, PP FILM 0.039MF 10% 630V	
C229	1-106-371-00	MYLAR 0.015MF 10% 400V		R1011	1-249-413-11	RES, CARBON (SMALL) 470 5% 1/4W	
C230	1-106-371-00	MYLAR 0.015MF 10% 400V		V901	Δ 8-736-653-05	PICTURE TUBE (A64JKJ60X) (AEP)	
C231	1-124-902-00	ELECT 0.47MF 20% 50V		Δ 8-736-654-05	PICTURE TUBE (A64JKJ10X) (AUS)		
C232	1-123-875-11	ELECT 10MF 20% 50V		*****			
C233	1-102-114-00	CERAMIC 470PF 10% 50V					
C234	1-102-114-00	CERAMIC 470PF 10% 50V					
C235	1-102-114-00	CERAMIC 470PF 10% 50V					

ACCESSORIES AND PACKING MATERIALS

PART NO.	DESCRIPTION	REMARK
A-1470-886-A	COMMANDER ASSY (RM-670) (FOR PORTUGUESE)	
A-1470-876-A	COMMANDER ASSY (RM-673) (EXCEPT PORTUGUESE)	
3-750-523-11	MANUAL, INSTRUCTION	
*4-384-027-01	BAG, PROTECTION	
*4-389-129-01	CUSHION (UPPER) (ASSY)	
*4-389-130-01	INDIVIDUAL CARTON	
*4-389-131-01	CUSHION (LOWER)	
*4-389-134-01	CUSHION (FRONT)	
*4-389-164-01	SPACER	